

19980522.qrp v01_n099.qrs.980522

Date: Fri, 22 May 1998 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1099

QRP-L Digest 1099

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by "Doug Hauff" <slmachco@fix.net>
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- by Bob Patten <n4bp@bc.seflin.org>
- 20) [11499] Re: SGC 2020 more; current drain
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- 21) [11500] Radio Shack SW rcvr?
by Paul Harden <pharden@aoc.nrao.edu>
- 22) [11501] And speaking of Short Wave
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- 23) [11502] Re: And speaking of Short Wave
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- 24) [11503] Re: And speaking of Short Wave
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- 25) [11504] DeMaw 6M TXs for the timid
by MNHopkins <MNHopkins@aol.com>
- 26) [11505] PIC Microcontrollers
by "Brian Jones" <brian_jones@uk.ibm.com>
- 27) [11506] Re: Power Supplies
by "John J. McDonough" <jjmcd@mdn.net>
- 28) [11507] 10 m Fox Hunt
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 29) [11508] Re: And speaking of Short Wave
by Jack Parker <Pparker@greatbasin.net>
- 30) [11509] Re: Power Supplies
by "rrhensel" <rrhensel@sprintmail.com>
- 31) [11510] Neat Gel Cell Chargers
by W1LP <W1LP@aol.com>
- 32) [11511] Parts sources
by Jack Parker <Pparker@greatbasin.net>
- 33) [11512] DC Receivers in the news.
by "Vincent Ferme" <vferme@sprint.ca>
- 34) [11513] RE: Parts Sources
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 35) [11514] Re: And speaking of Short Waves
by wa5whn@juno.com
- 36) [11515] Antenna--loop loading
by rhiller@sysdev.com (Rick Hiller)
- 37) [11516] Fw: SGC 2020
by "Vincent Ferme" <vferme@sprint.ca>
- 38) [11517] Parts to Share
by Chuck Carpenter <w5usj@webwide.net>
- 39) [11518] About good deeds
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- 40) [11519] Dayton 1998, QRP ARCI F.D.I.M. Proceedings
by George Gingell <k3tks@u1.abs.net>
- 41) [11520] CW and SG2020
by beache@juno.com (Edward B Beach)
- 42) [11521] relay contacts
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- 43) [11522] Re: PIC Microcontrollers

- by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 44) [11523] Re: CW and SG2020 AND IC706
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 45) [11524] Re: relay contacts
by W7LS <w7ls@blarg.net>
- 46) [11525] XM7P
by "Dasher, Mark" <DasherM@IRWIN.ARMY.MIL>
- 47) [11526] Half Wave End-Fed Antenna
by "Alyn Backe" <ve6bpr@cnnnet.com>
- 48) [11527] MFJ Artificial Ground
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 49) [11528] RE: XM7P
by Andreas Junge <andreas@atltech.com>
- 50) [11529] Re: relay contacts
by Stephen Lee <slee@u.washington.edu>
- 51) [11530] Re: 10 m Fox Hunt
by Vic Rosenthal <rakefet@rakefet.com>
- 52) [11531] Homebrew radios web page
by Pierre Constantineau <pierre@cmpe.ubc.ca>
- 53) [11532] Re: 10 m Fox Hunt
by Bob Patten <n4bp@bc.seflin.org>
- 54) [11533] Re: MFJ Artificial Ground
by Bill Jones <kd7s@psnw.com>
- 55) [11534] Difference between 2SC2078 and 2SC2075
by Danh Le <dql@slip.net>
- 56) [11535] Re: And speaking of Short Waves
by DENNIS MO <DENNISMO@aol.com>
- 57) [11536] Fuses and Troubleshooting from the hip.
by Ed Loranger <we6w@qsl.net>
- 58) [11537] Notice of North Georgia QRP Meeting June 6th 1998
by Sam Billingsley <SBillingsley@usaninc.com>
- 59) [11538] Re: 10 m Fox Hunt
by Frank Alwine <n1gpy@together.net>
- 60) [11539] Re: CW and SG2020
by Ed Tanton <n4xy@att.net>
- 61) [11540] Tubes to Solid STATE! Found a site!
by Ed Loranger <we6w@qsl.net>
- 62) [11541] Artificial Ground
by Pierre Constantineau <pierre@cmpe.ubc.ca>
- 63) [11542] QRP DC Power demands
by mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
- 64) [11543] Ether, You know something or you don't
by "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>
- 65) [11544] FDIM Table of Contents and Comments (LONG)
by George Gingell <k3tks@u1.abs.net>
- 66) [11545] Re: QRP DC Power demands
by Chris Trask <ctrask@primenet.com>
- 67) [11546] Re: Ether, You know something or you don't

by hsilver@pyx.net
68) [11547] GONE FISHING
by ARDUJENSKI <ARDUJENSKI@aol.com>
69) [11548] Pacificon QRP Forum Speakers Announced
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
70) [11549] Re: And speaking of Short Waves
by Joe Gervais <vole@primenet.com>
71) [11550] FS:Icom 725
by Greg Buhyoff <buhyoff@vt.edu>
72) [11551] Re:LQQKING
by RangerSF5 <RangerSF5@aol.com>
73) [11552] RE: Notice of North Georgia QRP Meeting June 6th 1998 *Correction
to URL*
by Sam Billingsley <SBillingsley@usaninc.com>
74) [11553] Roy??? or Ray?? Johnston QTH ??????
by RangerSF5 <RangerSF5@aol.com>
75) [11554] Re: CW and SG2020
by Tom Cooper <cooper@gmpvt.com>
76) [11555] Updated Ft Tuthill Symposium Schedule
by Bob Hightower <ki7mn@dancris.com>
77) [11556] IC 725 Phone numbers!!
by Greg Buhyoff <buhyoff@vt.edu>
78) [11557] 10M Fox
by flydnq7x@primenet.com (Floyd Smithberg)
79) [11558] Electronic devices book
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>
80) [11559] MiniCircuit Mixers - Avoid a Pitfall
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
81) [11560] RE: 10M Fox
by Andreas Junge <andreas@atltech.com>
82) [11561] QRP FD Fun
by camqrp@cyberg8t.com (Cam Hartford)
83) [11562] Re: Value of the QRP-L List
by Bob Edwards <w4ed@flash.net>
84) [11563] Elmer 101: Part 5, no questions???
by Michael Maiorana <mikemo@ibm.net>
85) [11564] Why 455kHz?
by Michael Maiorana <mikemo@ibm.net>
86) [11565] Re: Why 455kHz?
by Bill Meara <wmeara@erols.com>

Date: Thu, 21 May 1998 19:40:20 -0400 (EDT)
From: Buck Switzer <n8cqa@tir.com>
To: wager@juno.com
Cc: n8cqa@tir.com, qrp-l@LEHIGH.EDU
Subject: [11480] Happy Birthday Jim!

Message-ID: <199805212340.TAA26514@sun.tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jim - Happy birthday. 72 is most appropriate.

Will be ordering the Nor Cal 20 as soon as your ready. Great idea, as usual.

72/73 Buck N8CQA

* L. T. "Buck" Switzer, N8CQA, 654 Georgia Ave., Marysville, MI 48040-1243
*
* Home (810)364-9640, Home Fax (810)364-8179, Work (810)469-1600
*
* n8cqa@tir.com, am441@detroit.freenet.org
*

Date: Thu, 21 May 1998 18:15:53 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-1@Lehigh.EDU>
Subject: [11481] Power Supplies
Message-ID: <199805220015.UAA49492@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

QRP Gang, (and I do mean GANG !)

Hey, I'm thinking about getting a new power supply for all the rigs and things around here. I'm overloading my current one I think, besides , its time for a new toy to mess with. What I'm looking at is the Astron RS-35M or the MFJ 4035MV. Anyone using either of these two P/S's ? I'm leaning toward the MFJ cause it seems to have more features and is a little less pesos ! Anyone like to comment on these ? Any and all opinions welcome !

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

Date: Thu, 21 May 1998 18:21:41 CDT
From: tedkell@juno.com (Ted Kell)
To: qrp-l@Lehigh.EDU
Subject: [11482] Crystals - series vs the other kind
Message-ID: <19980521.192214.15838.60.tedkell@juno.com>

In many of the crystal listings, I see that some crystals are listed as "series" and others as "xx pf". What is the difference? How are they used differently. My application is to try doubling up on the 18 MHz crystal for my SST-20 to try for greater tuning range. while I would appreciate suggestions as to which to use, I really would like to know how to decide which to use.

Thanks for any help.

Ted Kell
KC5CUW
Near the Johnson Space Center
Houston, Texas
<tedkell@juno.com> -or- <tkell@nyx.net>

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Date: Thu, 21 May 1998 17:38:55 -0500
From: wpc@west.net (John L. Roblin / Whiterook Products Co.)
To: qrp-l@Lehigh.EDU
Subject: [11483] RE: Strange Device /Side Swiper
Message-ID: <v01530500b18a57ba5ef6@[205.254.241.239]>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Greetings QRP-L!

Check out the GREAT article by Jerry Bartachek, KD=D8CA, on our Model MK-32 Pocket Mini-Side Swiper web page:

<http://www.west.net/~wpc/mk32.html>

Tnx/72, John WA6KY0

John Roblin WA6KY0
Whiterook Products Company
"Mini-Keys and Other Cool Things!"
<http://www.west.net/~wpc/>

Date: Thu, 21 May 1998 20:01:26 -0600
From: "David Bixler" <DBIXLER@hs.seneca.k12.mo.us>
To: qrp-1@Lehigh.EDU
Subject: [11484] 10 Meter Fox Hunt
Message-ID: <18B5C79249C@hs.seneca.k12.mo.us>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Good evening gang:

At least I heard my first FOX tonight, but no contact. Heard and answered KG2LO on 28.060 but guess he could not copy me.

Where are the FOX's hiding? I've been listening and CQ'ing on 28.060 but so contacts yet. Have heard nothing but Spanish speaking SSB down in the suggested range around .040 and vicinity.

I know I am getting out cause I had a very enjoyable chat with LW2DNV down in Argentina after work tonight on 28.062. Solid copy both ways with 5 watts into my 130 foot off-center fed wire on my end. Wonder if that is 1000 miles/watt?

Let's keep trying guys. I just know there are QSO's to be had on 10 CW cause the beacons have been audible most every evening after work.

72,

Dave

David Bixler W0CH EI4VFN M/W0CH MW/W0CH MM/W0CH
Seneca, MO
QRP: Minimum power, maximum fun!

Date: Thu, 21 May 1998 20:59:11 -0400

From: Thomas J McCuen <TMcCuen@compuserve.com>
To: QRP-L Lehigh Server <qrp-l@Lehigh.EDU>
Subject: [11485] SG2020
Message-ID: <199805212059_MC2-3DCD-4D7F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Forward.....

Hi Jeff.

re 1st impressions; SGC 2020

Got mine (2020) yesterday..... =

Only had an hour to play last night ... I'll try to get voltage/current
figs for tomorrow or the next.

Turned on (13.8 power supply and ant is Gap Titan) and got a loud pop
from speaker as voltage surge. Then you get the SGC in code/letters,
voltage of supply, serial number (forgot order). Then up pops freq
display.

First contact SSB with VE on ten watts (from NY) and a 57 report... audi=
o
report as nice / sharp.
Played around with filter , works good from 2.7khz down to 1k... sounds
ok.

Second contact on CW with N9 at 10 watts agn.... report 559 and then band=
drops and lost it. Front end seems a little open, filters work some-what
but not great.... closing down filter below 400hz is a waste as the signa=
ls
get trashed by those outside actually wiping out sig.

So for now...

SSB works great, two dx contacts on 10w, good reports on audio. Tried wi=
th
a Kenwd mike and a Heil 5 with not much diff on other end as to stock mik=
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Rx also good on SSB.

CW is a so-so,... filters tend to ring when closed down tight , the rela=

y
for on/off during cw is loud and clacky, and if filters are open , a little
to much gets in front end.
RX is almost as good as my Knwd 850.

Noise blanker seemed to make no difference.
Meter is fair to bad... rx seems to be low scale. tx meter jumps wildly
but shows ok with output on CW, SWR reflected supposed to show but not to=

much luck on known reflected swr.
Speaker is a little weak... sounds stratchy, audio was much better from
walkman phones or external speaker.

I like the voltage readout and other features worked fine.

Looks like a good SSB rig and a , fair/poor CW, ok for now and then... (=
I
like the CW from my Oak Hill Sprint better!)

More to follow,
Tom aa2vk

Date: Fri, 22 May 1998 00:57:11 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-1@Lehigh.EDU
Cc: Joe Gervais <vole@primenet.com>
Subject: [11486] re: QRP Adventures?
Message-ID: <3.0.16.19980522002340.25b798b6@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Joe. Phyllis and I are planning an Appalachian Trail hike
possibly in July, but more likely August. Plan to take along
40 thru 10m, as well as 2m ssb/cw. QRP of course.
BTW, not hiking the entire trail (no way!) - just through the Smokies.

Hope to take plenty of pictures as well. Looking forward to
dangling a vertical wire from Sharp Top. Should be fun.

Keep us up to date with your trips, and happy hiking/qrp!

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Thu, 21 May 1998 21:02:51 -0400
From: w2bj@juno.com (Barry J Minsky)
To: wager@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [11487] Re: NorCal flop/flap
Message-ID: <19980521.210252.13422.0.w2bj@juno.com>

Jim,
Congratulations on your 72 birthday. I wish you many, many more. You and Doug are doing a great job for NorCal. What you are doing represents the true spirit of Amateur Radio volunteerism. Thanks.

72/73,

Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,
Knightlites, Adventure Radio Society #359,
Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers
Club #3723
Amateur Radio Missionary Service

Date: Thu, 21 May 1998 21:08:01 -0400
From: w2bj@juno.com (Barry J Minsky)
To: TMcCuen@compuserve.com
Cc: qrp-l@Lehigh.EDU
Subject: [11488] Re: SG2020
Message-ID: <19980521.211121.13422.1.w2bj@juno.com>

Thanks for the information. You and others have convinced me not to order one. I am 95% CW.

72/73,

Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,
Knightlites, Adventure Radio Society #359,
Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers
Club #3723
Amateur Radio Missionary Service

On Thu, 21 May 1998 20:59:11 -0400 Thomas J McCuen

<TMcCuen@compuserve.com> writes:

>

>

>Forward.....

>

>Hi Jeff.

>

>re 1st impressions; SGC 2020

>

>Got mine (2020) yesterday.....

>Only had an hour to play last night ... I'll try to get

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>Turned on (13.8 power supply and ant is Gap Titan) and got a loud

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>
>I like the voltage readout and other features worked fine.
>
>Looks like a good SSB rig and a , fair/poor CW, ok for now and then...
>(I
>like the CW from my Oak Hill Sprint better!)
>
>More to follow,
>Tom aa2vk
>
>

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Date: Thu, 21 May 1998 22:44:07 -0400
From: Thomas J McCuen <TMcCuen@compuserve.com>
To: QRP-L Lehigh Server <qrp-l@Lehigh.EDU>
Subject: [11489] SGC 2020 more; current drain
Message-ID: <199805212244_MC2-3DD1-14F3@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Re SGC 2020

First , I got to play another hour with it tonight... =

As to the relay in CW mode, there is a difference if the straight key is used over the paddle (built in keyer)... the reg key(or external keyer) causes the relay to hit with each key press. If you use the paddle, the keyer holds down the relay more so the result is less noise ... better ,=

tho it's still there (relay).

I ran some current readings tonight with my old trusty Simpson meter; =

RX	600ma
TXcw@1w	1.2a
TXcw@5w	3.1a
TXcw@20w	5.1a
TXsb@1w	1.6a (speaking voice)
TXsb@5w	2.0a "
TXsb@20w	2.9 - 4a "
TXsb@20w	4.6a (whistle tone)

Anyone else have info???

73

Tom

PS

Oak Hill ; RX 150ma, TXcw@1.6w 760ma

Date: Thu, 21 May 1998 21:03:10 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-1@Lehigh.EDU>
Subject: [11490] RE: Power Supplies
Message-ID: <199805220302.XAA17268@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Ok guys , so far the Astron wins hands down !! That is kinda what I expected, but wanted to get some feedback on the subject . I've always thought about getting an Astron, but when it comes right down to the wire and sending in the dough, you like to get a few opinions. Been licensed since 1982 and have ALWAYS wanted to get the Astron P/S. Just never bothered as long as the ol surplus P/S was working OK , why spend the shekels ? So that's the choice I'm making , the Astron RS-35M. Now I gotta get a few more qrp rigs to run off the thing to justify it with the YL (she hates when I call her Xyl !!). I want to thank each who responded personally.....

Paul Goemans - WA9PWP

Mike - KE4HLU

Fred Ringwald - AB0AE
Paul Meier - WA7MIG
Ron Polityka - WB3AAL
Danny Ayers - WX4P
Steve Miller - (of the Steve Miller Band ??? hummm I wonder.... :-) KG7PV
Robert Bayha - K6RKB

Thank you, Thank you , Thank you, Thank you , Thank you, Thank you , Thank
you, Thank you.

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

Date: Thu, 21 May 1998 22:19:00 -0500
From: "ukii" <ukii@megsinet.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [11491] My Dayton Experience
Message-ID: <001d01bd8530\$886cd480\$2d4f85d0@ns1.megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Gang.
Just wanted to share my "Dayton" story with you.
This was my first time there and I had a blast.
I never made it to the Days Inn South where the guys were,
couldn't find a ride! Anyway,I did find the NorCal Booth and visited
with Jim Cates and "someone" else.
They showed me the new radio,the NC20. Cool rig!
I was telling them how my radios NEVER turn out like that!
Anyway,it was nice meeting Jim,and the GQRP guys as well as the
one guy from the Michigan Qrp club who pointed me to the
Norcal shirt on the wall...
I bought a NorCal shirt,a "CW,the real thing" shirt and 2 others.
Also got a pair of those Xcelite flush cutters for 2.50.
OH,why is a pair of wire cutters called a pair? My package contained
only one...??? Guess I got ripped of and only got a half a pair!
Thats all I bought! I stayed at a Days Inn in Brookeville? It was where
the TenTen people were staying. I meet many of them and they were
all very nice. We had a blast shooting the breeze Friday and Saturday
night. Oh,I met Tom Perrara (sp) he is the key collector

with a web site,Real Nice guy! Showed me some of his more unusual keys and told me a few stories that went with them. So,Hope next time I make it I am able to get to the "main" hotel and visit with every one. Thanks for listening... 73 de john n9ukx

(Jim Cates,I was the guy who owed you for a 38s,Please,who was the other guy at the table? I talked with him for 15 minutes before he introduced me to you buy I never caught his name. I think it was a N7 or K7 call... Doug was not around when I was at the booth on Saturday afternoon)

Date: Thu, 21 May 1998 21:08:33 -0700
From: Dave Fifield <fifield@pacbell.net>
To: Andris Neimers <VitalVoice@compuserve.com>, QRP List <qrp-l@Lehigh.EDU>
Subject: [11492] Re: Norcal20 as "CARE" package
Message-ID: <3564FA41.21C@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Andy,

I'm going to take a stab at the answers to your concerns because I know the other Norcal guys won't. Actually, your concerns were exactly the same as mine until the logistics were explained to me.

For your \$95, you are not buying two radios, you are just buying one. This is an important point. Norcal could easily have said nothing at all about the charity part and no one would have been any the wiser, since the radio is easily worth \$95.

The reason we can kit these radios so cheaply is because of the help we get from various vendors on parts costs. We chose to talk about the radio giveaway only because of the publicity factor - it's a great story and will help the QRP cause in most if not all ham radio periodicals across the world!

The proceeds from the sale of the (500) Norcal 20 rigs is Norcal's. Norcal has graciously decided to plow all of that money into more radios which it will distribute to deserving cases. Since the

"second radios" belong to Norcal, you need not concern yourself with the actualities of the safe delivery thereof. That's the hard legal position, but of course, I and many others including your good self are concerned about getting them safely to the correct people. That's why we enlisted the help of the Rev. George Dobbs, G3RJV.

George et al will do their level best to make sure these radios end up in the right place. They, like you apparently, have a history doing this sort of thing and thus fully understand the difficulties involved in shipping anything overseas. To minimize postal problems, most of the radios will be hand-carried and delivered personally via George's large web of honest contacts across the world. This will ensure the large majority of them *will* make it to thier intended destinations. I have great faith that they will get there!

Hope this helps clarify things a bit.

Cheers,
Dave Fifield, AD6AY

Date: Thu, 21 May 1998 23:15:43 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: "Marshall Emm" <mgemm@mtechnologies.com>
Cc: qrp-1@Lehigh.EDU
Subject: [11493] Strange Device
Message-ID: <3.0.1.32.19980521231543.006c3834@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Marshall,

Interesting that the Cootie Key comes up at this time. I was looking at the Whiterook Paddle's today and found their version of the side swiper. There was a nice story, included on the page with the key description, explaining what a side swiper is -- much like the story you related. I was looking at the LTA keys on your pages and saw the Cootie key there.

I'd always considered myself a side swiper but more correctly, my technique as well as that of others, would be semi-auto key technique. Otherwise, I found the LTA iambic key rather interesting. It appears that it could also be used in the manner of a semi-auto key going side to side rather than squeezing. The LTA keys seem to be less bulky than Vibroplex and Bencher versions too.

72/73 -- Chuck, W5USJ, EM22cv

Date: Fri, 22 May 1998 00:36:12 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-1@Lehigh.EDU>
Subject: [11494] PIXIE " a la VFO"
Message-ID: <01bd8532\$c49b1a00\$07199e03@luis>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

SEEMS like it works !
Feeding the VFO signal to the base of the ex-oscillator transistor...
The base circuit is modified accordingly... not too difficult, just make it
not to oscillate by removing the connections to the capacitive divider,
crystal etc...
The VFO I used was published in " Solid State Design for the Radio Amateur"
and uses three bipolar NPN transistors... It is not as stable as a FET one,
but works pretty well.
By the way VFIXIE (should we call her that way, instead of PIXIE) brought
many signals in tonight, despite high noise level -QRN- on 40 meters...
still listening, will continue testing tomorrow,as it is late here now...
Anyway, hitting the key did brought RF juice out into dummy load (pair
of 100 ohm 2 watt carbon resistors in pararell)
72 and happy birthday to 72 to Jim Cates too
Arnie

Arnie Coro C02KK
Host of Dxers Unlimited
Radio Havana Cuba
e-mail : inforhc@mail.infocom.etecsa.cu
phone: 53-7-814243
phone res: 53-7-301794
Postal address
Arnie Coro
Dxers Unlimited
Radio Havana Cuba
Po Box 6240
Havana
CUBA 10600

Date: Thu, 21 May 1998 22:51:33 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Chuck Carpenter <w5usj@webwide.net>, qrp-1@Lehigh.EDU
Subject: [11495] Re: Strange Device
Message-ID: <199805220450.WAA09612@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, Chuck--

>>found the LTA iambic key rather interesting. It appears that it could also be used in the manner of a semi-auto key going side to side rather than squeezing. The LTA keys seem to be less bulky than Vibroplex and Bencher versions too.

<<

Very true. The main attraction for me is the combination of brass and wood. The gold plated ones seem to be more popular, but I actually prefer the brass, preferably unlacquered.

Many people use dual paddles as a single paddle by wedging a bit of paper between the fingerpieces.

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382
--

Date: Fri, 22 May 1998 02:17:41 -0700
From: "Doug Hauff" <slmachco@fix.net>
To: <qrp-1@Lehigh.EDU>
Subject: [11496] Kitty Kan Too Goes Kamping, Makes Kontacts
Message-ID: <199805220622.XAA28723@fletch.fix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Well actually its a Tuna Tin 2, but the, er, chassis is a, er, feline
ration container...Went camping at Songdog Ranch, about 90 miles southeast
of San Luis Obispo, took along Kitty Kan Too-MRX-40 station, set up dipole
about ten feet off the ground, had a half dozen contacts...My QSK is two
switches, the T-R switch on the Kitty Kan, and a dpdt switch on the MRX-40
enclosure. Switch shorts MRX ant-gnd on Tx, MRX-40 is insulated from
enclosure, and enclosure is not connected to antenna coax ground, just
enough signal leaks through for fine sidetone...MRX-40 works great, monster
BC interference controlled with RF gain control, and the Kitty Kan puts out
a sweet signal...got 239 to 579 rst's!!! I get the most fun out these funky
rigs! 72 Doug KE6RIE

Date: Fri, 22 May 1998 01:50:16 -0700
From: "Doug Hauff" <slmachco@fix.net>
To: <qrp-1@Lehigh.EDU>
Subject: [11497] San Luis Machine back on line
Message-ID: <199805220621.XAA28712@fletch.fix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Broke down and purchased a new computer, went from 386 33 mHz to 266 mHz!
Zow!
2, 200 messages to go through! Yikes! Shipping heatsinks daily, Rainbow
Enclosures were scheduled to run yesterday on new machining center, so of
course old machining center went down for mechanical repair, so production
shifted to new machine...two days max, RE's to run next week...and so it
gos...73 Doug KE6RIE

Date: Fri, 22 May 1998 02:24:18 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: David Bixler <DBIXLER@hs.seneca.k12.mo.us>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11498] Re: 10 Meter Fox Hunt
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 21 May 1998, David Bixler wrote:

>

> Where are the FOX's hiding? I've been listening and CQ'ing on

> 28.060 but so contacts yet. Have heard nothing but Spanish speaking
> SSB down in the suggested range around .040 and vicinity.
Chuck suggested .030-.050 for General Class and above to avoid cluttering
the QRP calling frequency... Most others seem to want to make their own
adaptations, but I'm going with the way this thing was laid out by K5F0...

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Fri, 22 May 1998 00:43:48 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Thomas J McCuen <TMcCuen@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11499] Re: SGC 2020 more; current drain
Message-ID: <Pine.SOL.3.91.980522002644.24332B-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tom,

Thanks for posting your observations and measurements on the SGC-2020.
There are many anxious to get a hands-on report. So far, it sounds like
your experience with CW is EXACTLY as Peter in Germany reported.

On Thu, 21 May 1998, Thomas J McCuen wrote:

> Re SGC 2020

>

> I ran some current readings tonight with my old trusty Simpson meter;

>

> RX 600ma

> TXcw@1w 1.2a

> TXcw@5w 3.1a

^^^^^^^^^^^^^^^^^^

Y I K E S !

If this is even close to accurate, this is awful. Of all the QRP rigs
I have tested over the years, most rigs running at or about 5W generally
draw right at 1-1.2A for everything. Like the MFJ's, the Hands GQ-series

and the EmTech NW rigs ... all right around 1A for about a 5W output.

In the 1-2W range, most will run about 300-600 mA (but of course, the receive current becomes a major portion of that). My tests were right at 500mA for 1.7W (OHR Explorer), 420mA for 1.7W (NN1G GM-20), down to about 300mA for the NorCal 40 (both NorCal and Wilderness versions).

I'm not questioning your measurements, but pointing out if even close, obviously no concern for efficiency was considered for this "portable" rig.

But it does sound like if you want a SSB rig, it does do a very good job at that from the various reviews starting to appear, efficiency aside.

Thanks again for sharing your measurements and observations with us.
Keep 'em coming.

72, Paul NA5N

Date: Fri, 22 May 1998 01:07:11 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@Lehigh.EDU
Subject: [11500] Radio Shack SW rcvr?
Message-ID: <Pine.SOL.3.91.980522005851.24332D-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gads I hate when someone does this, but ...

OK, I lost the post, my mailer didn't work, accidentally hit the delete key, the Mexican smoke cloud obscured the screen ... you know the stories.

What was the model number of the general coverage shortwave receiver someone said was on sale at Radio Shack? And wasn't it like \$19.99 or something? I seem to always have several shortwave receivers loaned out to people to try and get them interested in radio, and I would just as soon buy a couple of \$20 ones than try to remember who I last loaned one of my \$100 ones to. That's a deal hard to beat if I remember it right. Seems RS does have sales on some neat stuff once in awhile. In fact, I got my 10M SSB/CW rig (the HTX-100) several years ago when they cleared them out for \$69.

Tnx, Paul NA5N

Date: Fri, 22 May 1998 01:28:32 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@Lehigh.EDU
Subject: [11501] And speaking of Short Wave
Message-ID: <Pine.SOL.3.91.980522010718.24332E-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Speaking of short wave, last couple of nites, Art Bell W60BB, is pleading for the UFO's/Aliens to contact us on earth on 6.890 MHz, and of course encouraging everyone with a shortwave radio to monitor that frequency should the aliens try to transmit anything to us.

Just one slight little problem with this scenario.

Take right now, at night. The maximum usable frequency is around 20M. This of course means if you transmit a signal BELOW the MUF, the E and F layers are reflective to that frequency and bounces it back to earth. It's called skip. Above the MUF, the signals escape to space. It's called, well, no QSO!

Now how is an alien spacecraft, like the one that bumped into Galaxy-4 yesterday, gonna get a 6 MHz signal INTO the earth? It works both ways, fellas. A signal ABOVE the MUF from space will ENTER the earth easily, while a signal BELOW the MUF will merely be reflected back into space, just as it is reflected back to the earth from down here on the ground.

In fact, that is how the low-frequency radio telescopes work ... such as those that monitor the L-bursts from Jupiter. They use 20-30 MHz AT NIGHT when the MUF is BELOW 20 MHz. Then, any emissions that are received are almost assuredly not terrestrial in origin, but coming from space.

So Art Bell, next time invite the aliens to talk to us at night on say 28.060 MHz (10M). When you hear that "Closer Encounters" music, it would almost have to be coming from space, and very difficult for someone on earth to fake it, as earth based signals would only propagate line of sight at that time.

ObQRP: Just a sneaky way to teach a little HF propagation theory.

72, Paul NA5N

PS - Of course if you DO have a QSO with the mother ship, whether ABOVE or BELOW the MUF, please let us know :-)

Date: Thu, 21 May 1998 23:42:40 -0700
From: W7LS <w7ls@blarg.net>
To: pharden@aoc.nrao.edu
Cc: qrp-1@Lehigh.EDU
Subject: [11502] Re: And speaking of Short Wave
Message-ID: <35651E60.9F1@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, I mostly agree, but wait! What's critical to talking to UFO's (am I really saying this??) is being below the Critical Frequency, assuming you are beaming straight up. You do have a 6890 KHz beam that can be pointed straight up, don't you? :-) The MUF is arrived at by dividing the critical frequency by the cosine of the launch angle. That presupposes a path to a laterally distant station. Uh, must be late.....

So, when communicating with flying saucers, we need cloud warmer antennas. Anyone know the critical freq as F_n (time of day) recently?

73 es beep beep de Jim, W7LS

Paul Harden wrote:

>
> Speaking of short wave, last couple of nites, Art Bell W60BB, is pleading
> for the UFO's/Aliens to contact us on earth on 6.890 MHz, and of course
> encouraging everyone with a shortwave radio to monitor that frequency
> should the aliens try to transmit anything to us.
>
> Just one slight little problem with this scenario.
>
> Take right now, at night. The maximum usable frequency is around 20M.
> This of course means if you transmit a signal BELOW the MUF, the E and F
> layers are reflective to that frequency and bounces it back to earth.
> It's called skip. Above the MUF, the signals escape to space. It's
> called, well, no QSO!
>
> Now how is an alien spacecraft, like the one that bumped into Galaxy-4
> yesterday, gonna get a 6 MHz signal INTO the earth? It works both ways,
> fellas. A signal ABOVE the MUF from space will ENTER the earth easily,

> while a signal BELOW the MUF will merely be reflected back into space,
> just as it is reflected back to the earth from down here on the ground.
>
> In fact, that is how the low-frequency radio telescopes work ... such as
> those that monitor the L-bursts from Jupiter. They use 20-30 MHz
> AT NIGHT when the MUF is BELOW 20 MHz. Then, any emissions that are
> received are almost assuredly not terrestrial in origin, but coming from
> space.
>
> So Art Bell, next time invite the aliens to talk to us at night on say
> 28.060 MHz (10M). When you hear that "Closer Encounters" music, it
> would almost have to be coming from space, and very difficult for someone
> on earth to fake it, as earth based signals would only propagate line of
> sight at that time.
>
> ObQRP: Just a sneaky way to teach a little HF propagation theory.
>
> 72, Paul NA5N
>
> PS - Of course if you DO have a QSO with the mother ship, whether ABOVE
> or BELOW the MUF, please let us know :-)

Date: Fri, 22 May 1998 04:48:44 -0400 (EDT)
From: hsilver@pyx.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11503] Re: And speaking of Short Wave
Message-ID: <Pine.LNX.3.95.980522040715.7622A-1000000@matrix.pyx.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I had thought that ionization densities fluctuate over a 24 hour period. I also would have thought that F Layer distances for skip using MUF on average is about three times the critical frequency. But since the Subject is about "short wave" which I think applies to 40 meters or so, I was under the impression that sunset and sunrise are the best time for maximum propagation and hence the critical frequency would have to be its highest at those times and lower at other times. Suggesting Art change his invite to 10meters I guess means that Sporadic-E activity is factored in for propagation because its that time of year. People using 10 meters I would have thought would attempt to use skip rather than overshoot through the E and F Layers into outer space on the off chance one of Art's flying saucer buddies is sitting there waiting for a signal. Then again, what the heck do I know, I don't even have a HAM license yet!

Harley Silver

On Thu, 21 May 1998, W7LS wrote:

> Well, I mostly agree, but wait! What's critical to talking to UFO's (am I
> really saying this??) is being below the Critical Frequency, assuming you
> are beaming straight up. You do have a 6890 KHz beam that can be pointed
> straight up, don't you? :-) The MUF is arrived at by dividing the
> critical frequency by the cosine of the launch angle. That presupposes a
> path to a laterally distant station. Uh, must be late.....

> So, when communicating with flying saucers, we need cloud warmer
> antennas. Anyone know the critical freq as F_n (time of day) recently?

> 73 es beep beep de Jim, W7LS

>

>

> Paul Harden wrote:

> >

> > Speaking of short wave, last couple of nites, Art Bell W6OBB, is pleading
> > for the UFO's/Aliens to contact us on earth on 6.890 MHz, and of course
> > encouraging everyone with a shortwave radio to monitor that frequency
> > should the aliens try to transmit anything to us.

> >

> > Just one slight little problem with this scenario.

> >

> > Take right now, at night. The maximum usable frequency is around 20M.

> > This of course means if you transmit a signal BELOW the MUF, the E and F
> > layers are reflective to that frequency and bounces it back to earth.

> > It's called skip. Above the MUF, the signals escape to space. It's
> > called, well, no QSO!

> >

> > Now how is an alien spacecraft, like the one that bumped into Galaxy-4
> > yesterday, gonna get a 6 MHz signal INTO the earth? It works both ways,
> > fellas. A signal ABOVE the MUF from space will ENTER the earth easily,
> > while a signal BELOW the MUF will merely be reflected back into space,
> > just as it is reflected back to the earth from down here on the ground.

> >

> > In fact, that is how the low-frequency radio telescopes work ... such as
> > those that monitor the L-bursts from Jupiter. They use 20-30 MHz

> > AT NIGHT when the MUF is BELOW 20 MHz. Then, any emissions that are
> > received are almost assuredly not terrestrial in origin, but coming from
> > space.

> >

> > So Art Bell, next time invite the aliens to talk to us at night on say

> > 28.060 MHz (10M). When you hear that "Closer Encounters" music, it

> > would almost have to be coming from space, and very difficult for someone
> > on earth to fake it, as earth based signals would only propagate line of
> > sight at that time.

> >

> > ObQRP: Just a sneaky way to teach a little HF propagation theory.

> >
> > 72, Paul NA5N
> >
> > PS - Of course if you DO have a QSO with the mother ship, whether ABOVE
> > or BELOW the MUF, please let us know :-)
>
>

Date: Fri, 22 May 1998 06:43:31 EDT
From: MNHopkins <MNHopkins@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [11504] DeMaw 6M TXs for the timid
Message-ID: <a2956229.356556d4@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

My post about the Doug DeMaw 6M v. tube TX from Dec. '63 CQ page 72 occasioned some interesting mail -- from lawyers wanting to represent me in the ensuing Tort actions for my negligence in suggesting QRP-Lers get around 250vdc.

OK, guys and girls, Doug also had a solid state 6M TX before they were fashionable: in fact several.

The 1965 VHF ARRL VHF Handbook, the apogee of vacuum tube technology, featured "A Featherweight Station for 50 MC" using a converter in front of a transistor radio for RX and, for TX, a two NPN TX that depended on 50mc overtone crystals. It looks prehistoric to me now.

Moving up to the 1972 ARRL VHF Manual, he is up to a four transistor TX with the last two in parallel, and later ARRL FM manuals show yet another refinement.

All this was prelude to Solid State Design for the Radio Amateur in which the universal transmitter is presented in a 6M version, albiet without a circuit board. I have a board worked out for that one that is adequate, if not artful, and can supply a photocopy for the resist etching set.

Thus if you need any of this stuff and cannot find the articles locally, send me \$1 and an SASE. I take all the money I make on that sort of offer and winter in Tahiti.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

Date: Fri, 22 May 1998 07:20:53 EDT
From: "Brian Jones" <brian_jones@uk.ibm.com>
To: qrp-1@Lehigh.EDU
Subject: [11505] PIC Microcontrollers
Message-ID: <199805221120.HAA31664@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

My 2 cents worth... If you are just starting out to play with PICs for the first time go for the 16F84 (or the older 16C84). It is all EEPROM so no need for expensive PROM erasers, you can build a serial or parallel port blower for next to nothing (the ludipipo serial programmer is 4 Res, 1 Cap, 1 Diode, 1 Zener and works fine for me). With 16F84 you blow the program into the PIC (takes about 5 seconds), test it and when it doesn't work just reblow it when fixed - no need for erase. Again 'cos I'm cheap I program in assembler - it's free - Microchip's MPLAB environment is pretty good and again free. I like assembler because I like to be near the metal and for a 1K program I find development time in assembler pretty reasonable. Also there is a wealth of assembler examples to do things like control a 16*2 LCD around on the web which can be adapted. Also the PIC assembler is (IMHO) fairly easy to learn and program in - and there are some good tutorial tools (have a look at Pic'n'Poke).

Once you've got the hang of 16F84 then is the time to think of other devices and maybe spend money on better programmers, EPROM erasers, C compilers etc. Or at least that's the stage I've just reached.

Have fun

Brian G0UKB KB8YKJ

Brian Jones
Java Technology Centre
HURSLEY MP 146 Ext 246896 (+44 1962 816896)
BEJONES AT WINVMD bejones@hursley.ibm.com

Date: Fri, 22 May 1998 07:44:58 -0400
From: "John J. McDonough" <jjmcd@mdn.net>
To: <shurst@magiclink.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [11506] Re: Power Supplies
Message-ID: <199805221229.3942700@midland2.mdn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I picked up the RS-35M a few months ago and it's a beaut. Of course, no sooner did I get it than I realized that I'll probably want even more amps. Hokay, most of my stuff is QRP so the 35M is way overkill, but I'd like to futz with some meteor scatter work, too, and it's not enough for the rigs AND an amp.

Now that I have it in my hot little hands, I also wonder whether having the meters is really worth it. It's pretty unusual that you care, as long as you're under the supply's limit. And the meters mean you put it on the operating table, instead of under it.

As far as the pesos, well, I bought it with my 706, and next to the Icom supply it's cheap.

72/73 de WB8RCR

Date: Fri, 22 May 1998 07:39:38 -0400
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11507] 10 m Fox Hunt
Message-ID: <356563FA.33F9E195@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,
I have been activily listening and calling cq on 28.040 but the band has been very quiet the last few weeks. Only one contact and I lost him because band changed.

To me 28.040 seems the best frequency for the hunt.

07Z:	7.9	5.9	10.9	6.4	4.5	6.3	9.8		6.2	5.9	5.2		4.8
	4.0		10.3	4.4	4.7								
08Z:	5.8	5.7	8.3	5.3	3.2	5.3		4.6	6.1	6.1	6.7	5.1	4.7
	4.3		9.1	4.7	4.4								
09Z:	4.8	5.1	6.6	4.3	3.3	4.1	7.4	4.5	5.5	6.0		5.6	4.8
		7.4	4.4	3.5									
10Z:	4.3	3.1	5.7	4.4	3.2	4.2	4.2		6.0	6.5		5.0	4.1
		5.8	4.0	3.7									
11Z:	5.0	2.2	5.5	3.9	3.1	3.3	3.1		5.6	6.9		5.0	3.7
		3.9	4.1	4.4									
12Z:	4.1	2.2	3.5	2.9	3.5	3.1	3.3		5.2	7.0		5.0	3.8
	4.1	2.8	3.7	4.8									
13Z:	4.2	2.2	3.4	3.5	3.6	3.2	3.9	4.3	5.0	6.5			4.7
		3.7	3.7	5.8									
14Z:	4.3	2.1	3.6	4.0	3.6	3.1	3.4		5.4	5.6			5.7
		4.0	4.9	6.2									
15Z:	5.1	2.1	4.1	3.0	3.1	3.3	3.3	4.2	5.0	5.2			6.0
		4.4	5.8	6.1									
16Z:	5.5	2.4	2.6	3.6	2.9	2.9	3.6	4.8	4.5				
		3.9	7.4	6.0									
17Z:	5.8	2.2	3.7	3.7	2.7	2.9	3.6	5.6	4.4		5.3		5.7
		4.2	4.4	6.4									
18Z:	4.0	2.2	3.6	4.0	2.7	3.3							6.3
	4.4	4.8	5.3	6.8									
19Z:	4.1	2.3	2.7	4.2	2.7	4.0	4.2	4.8					6.3
	4.6	5.6	4.1	4.7	6.6								
20Z:	3.7	2.2	2.5	3.1	4.3	3.2	4.0	4.6			7.4	6.4	
	4.7	5.9	3.9	5.9	6.7								
21Z:	6.4	3.1	2.7	6.3	5.3	3.9	3.3	7.0			8.8	6.7	
		5.9	4.1	6.3	7.2								
22Z:	7.1	5.0	6.8	6.5	5.8						8.9	6.6	
	4.6	5.8	3.0	5.9	7.8								
23Z:	8.0	5.9		7.1	6.0		2.7				8.3	6.6	
	4.9	5.4	4.5	5.8	8.4								

=====

Estimated Average Global foF2: 5.45 MHz.

LIST OF REPORTING STATIONS:

TOW = Townsville	Australia	(S19E147)
HOB = Hobart	Australia	(S42E147)
DRW = Darwin	Australia	(S12E131)
CAM = Camden	Australia	(S34E151)
CHR = Christchurch	New Zealand	(S43E172)
CAN = Canberra	Australia	(S35E149)
SAL = Salekhard	USSR	(N66E066)
MAG = Magadan	USSR	(N60E151)
WAR = Warsaw	Poland	(N52W021)

DIX = Dixon	USSR	(N74E081)
BER = Bermuda	Bermuda	(N32W064)
DYS = Dyess AFB TX	USA	(N32W099)
EIE = Eielson AFB AK	USA	(N64W147)
GOO = Goose Bay	Canada	(N53W060)
LEA = Learmonth	Australia	(S21E115)
VBG = Vandenberg AFB CA	USA	(N34W120)
WLP = Wallops Island VA	USA	(N37W075)

This information is from a daily solar activity report to which I subscribe. E-mail address for contacting the provider is:
 oler@holly.cc.uleth.ca

Hope this is of interest.

Jack, W7PW

"We make our world significant by the courage of our questions and by the depth of our answers."

Carl Sagan

"...the time is fast approaching when freedom, public peace, and social order itself will not be able to exist without education."

Alexis de Tocqueville--Democracy in America (1834)

 Date: Fri, 22 May 1998 08:43:32 -0400
 From: "rrhensel" <rrhensel@sprintmail.com>
 To: "low power newsgroup" <qrp-1@Lehigh.EDU>
 Subject: [11509] Re: Power Supplies
 Message-ID: <003601bd857f\$76e96530\$0317e590@nos_rrhensel>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Steve;

I have been using an Astron 35-M for about 8 years. It powers 2 qro hf rigs, 3 tnc's and vhf radios, various station accessories like the keyer, dsp filter, speakers etc. And keeps my 2000 Amphour batteries charged. In experimenting and homebrewing I have crowbared the thing at least 10 times. I'm verry happy with it, to say the least.

#include <sdt.disclamer>

Richard Hensel
SR. Engineer
SPRINT
rrhensel@sprintmail.com

When you have a hammer in your hand ...
The whole world looks like a nail.

Date: Fri, 22 May 1998 09:03:55 EDT
From: W1LP <W1LP@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [11510] Neat Gel Cell Chargers
Message-ID: <86917822.356577bc@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

There are smart gel cell chargers available at West Marine. They are made by Guest. The cheapest is about 25 bucks and if I remember correctly is a 1 amp model. I sprung for 49.95 and got the 2 amp model which will charge and maintain large deepcycle batteries too. I have use it even for the small batteries like in a bag-type cell phone. It works great and can be left hooked up indefinitely. All the standard disclaimers etc.

72, Clint

Date: Fri, 22 May 1998 06:09:43 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-1@Lehigh.EDU
Subject: [11511] Parts sources
Message-ID: <3.0.1.32.19980522060943.0069b188@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To the group:

In the past several weeks I have come across some interesting sources of components, which may be of interest.

I work for a TV station in Reno, NV, and have been able to obtain PC cards, and other subassemblies, from old equipment which has been taken out of

service (some of which has been virtually unused for quite a few years). The equipment includes old 2-inch video tape machines (VTR's), an old film chain system and a recently decommissioned satellite receiver system which had been used to automatically receive feeds of commercials.

The 2-inch VTR's are a great source of power supply components...the film chain was an RCA unit, and the camera control unit (CCU) provided double-balanced mixers (old Relcom M6A's, I think, but still useful), dozens of transistors (including many 2N2222's), chokes, silver mica caps, toroids, and more...the satellite receiver was re-used by the station, but I got the FSK demod cards (2), which each included an NE-602, NE-604, TL-082's and an LM-380 and a 10.240MHz crystal (sounds like most of the parts for a 38-Special!).

My point is that many broadcasters are upgrading equipment and the old stuff is often stored for years. It may be worthwhile to contact these stations and acquire some excellent parts sources, just for hauling 'em away. I admit that I have an advantage in working for a station, but a call to the Chief Engineer, especially of stations that have been around for many years can't do any harm. especially if they know that you intend to recycle the components for Amateur Radio work.

Thanks,

72/73,

Jack, W7PW

Date: Fri, 22 May 1998 09:17:59 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@Lehigh.EDU>
Subject: [11512] DC Receivers in the news.
Message-ID: <004f01bd8584\$0d6d8320\$ef1005d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The May '98 issue of Wireless Systems Design's product review column covers what it calls "an innovative receiver design" that will simplify front-ends and cut current consumption.

A company in Florida "aware of the limitations of commercially available ICs

in the areas of dynamic range and current consumption" came up with a "completely different approach".

It's called the universal direct-conversion receiver (UDCR), this architecture "can be fabricated on a customer's choice of semiconductor process". The receiver translates DC - 1Ghz to baseband signals as low as 100 kHz.

The UDCR provides signal sensitivity of -104dBm, an input IP3 of +15 dBm, a system noise figure of less than 5 dB, and phase accuracy of better than 2 deg. The current consumption is less than 10mA with a +3.5 VDC supply.

A recent test translated an RF signal of 907 MHz to a baseband signal at 363 KHz with an LO of 65 MHz. Dynamic range better than 100dB on a spectrum analyzer, with a noise figure of 4.5 dB. It will work with LO signal from 1 to 1000 MHz although best performance is achieved with the widest possible frequency separation between RF and LO signals.

I don't understand all the specs, please don't ask me what they mean. :)) I am hoping one of the experts on the list will volunteer to answer any questions that might come up.

No connection with the magazine, other than being a subscriber, and no connection with the company in Florida. This is for information purposes only.

73 de Vince, VE3VFN.

Date: Fri, 22 May 1998 09:28:11 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-L@Lehigh.EDU>
Subject: [11513] RE: Parts Sources
Message-ID: <01bd857d\$168282a0\$07199e03@luis>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jack's suggestion is a reminder that lots of electronic components, some in like new condition are available by just the asking.

TV sets... provide the classical color burst crystal for QRP DEMO rigs...
Computer cards and motherboards have lots of useful parts, like the
oscillator
modules for the clock frequencies... I am presently using a 16.000
oscillator
module (generates de neat square wave output of about 4 v PP) to drive
a homebrew double balanced mixer ... Diodes in mixer LOVE the square wave
and they switch beautifully at that rate with very low noise... Used for an
experiment... as a pre-mixer for a 10 meter band QRP rig in the works.
A 32.000 oscillator clock module, salvaged from a defunct 286 motherboard
is now providing the local oscillator signal to a 6 meter converter... I
tune
6 meters from 18.000 to 20.000 mHz (50 to 52 mHz) on my little Sony
ICF7600D
portable... parking it on 50.125 mHz (calling frequency) it tells me when
the
band is open... wide band filter in Sony receiver helps to capture stations
that
may be up to + - 5 kHz away...
AND... OF COURSE, radio and Tv stations "junk" is there for the asking...
especially as Jack points out , if you can assure them that the equipment is
for amateur radio operators use... For the QRO boys (should I say this here
!!!)
look for now decommissioned AM and FM broadcast transmitters in the
250 to 1 kW class.... (BUT PLEASE, BEWARE OF OIL FILTER CAPACITORS
USING PCB's ... which are very often on those rigs power supplies, and need
to
be disposed in a VERY special way !!!)
One final comment: removing parts from circuit boards , and taking apart
old electronic equipment is a relaxing exercise for your mental health !
Don't
need to concentrate much if IC is going the wright way, if you are feeding
24 volts to the gate of MOSFET directly etc... Just, relax and take those
things apart...
Good luck..(have a stackful of odd looking stuff waiting for dis-assembly
in my shack)
Arnie
C02KK

Date: Fri, 22 May 1998 07:26:44 -0600
From: wa5whn@juno.com
To: qrp-l@Lehigh.EDU
Cc: pharden@nrao.edu

Subject: [11514] Re: And speaking of Short Waves
Message-ID: <19980522.072650.2782.0.wa5whn@juno.com>

Paul,

What if the Mother ship drops below the F layer boundary? Then the reflection of the incidence wave will be back towards the earth & not out into space. The key here is for the Mother Ship {What's a Father Ship look like ?} to drop below the E & F boundary layer, while the MUF is above 7 MHz & transmit on 6.89 MHz {right at the low end of the Radio Pirate Band}.

Let's build those spectrum analyzer kits, and start watching for doppler & spectrum characteristics.

The next thing that you are going to tell me is that a very large lizard really did eat NYC. ;) Oops, that's right, there is no more NYC, some asteroid had destroyed the lizard & the city already. ;) {latest movie releases from Hollyweird}

WOW !!! The smoke particulate from Old Mexico is starting to clear, we can see the mountains again. :)

{cough, cough}

72...Jay,

WA5WHN DM65qd {QRV on 6.89 MHz for any ET contacts} ;)

PS My mentor, now a SK, had held the callsign W5ET. The callsign has been reissued, but I have worked an ET, W5ET, Elmo Darrah.

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 22 May 1998 08:32:57 -0400
From: rhiller@sysdev.com (Rick Hiller)
To: qrp-1@Lehigh.EDU
Subject: [11515] Antenna--loop loading
Message-ID: <3.0.5.32.19980522083257.007e56a0@stephen.sysdev.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>in new QST, article on loading loops was intriguing. Got me to
>remembering article in CQ, 1990 or newer, where an 80 mtr delta loop was
>loaded with a piece of 450 ohm ladderline.
>think author was N4PC - anybody tell me more, provide copy of article?
>
>Thanks, Dave, K8BBM

Dave,

Don't have the reference here but you are probably referring to the article
by W6TC, George Badger, the present head of marketing for Svetlana Tubes.
This article told about a dual band resonant loop using a piece of 450 ohm
feed line to match/resonant. Is this the one?

You also might want to check out the following on loops, loading, etc....

<http://www.hal-pc.org/~bvarc/antennas.htm>

73...Rick....W5RH

Date: Fri, 22 May 1998 09:42:25 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@Lehigh.EDU>

Subject: [11516] Fw: SGC 2020
Message-ID: <008001bd8587\$74e3fea0\$ef1005d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am not the reviewer, forwarded from rec.radio.amateur.equipment.

73 de Vince, VE3VFN.

-----Original Message-----

From: John Smith <jtsmith@mindspring.com>
Newsgroups: rec.radio.amateur.equipment
Date: Thursday, May 21, 1998 11:48 PM
Subject: Re: SGC 2020

>Got mine today and used it on 20 meters ssb worked, Spain, Germany
>and Portugal in 15 minutes with excellent audio reports.
>
>CW was nice, worked a bunch of stateside on 40 and 20 meters. My
>impressions of the audio quality are different than the previous post.
>CW seems to work fine for what the radio is. Did not have the
>overload agc problems I experienced with the INDEX Labs ++.
>In fact the SCAF filter seems to work fine and audio quality is very
>good. Worked several adjacent signals off 40 meter beam without
>much pumping of AGC and radio just chuggs along. It does fine
>on CW. Granted a CW filter would be nice but I rate it just fine
>as a nice portable low current radio. Noise blanker made for impulse
>ignition noise and so have no comparision as to how it will work
>on that. It did not reduce AC line noise that is near my house(my
>IC 765 noise blanker did not reduce the line noise either) so
>I will have to wait and go mobile with the rig.
>
>My first impressions are it is a great all around utility radio. simple
>to use and effective. DEFINATELY A GREAT buy at \$595.
>
>More to follow
>
>John de K3G0
>
>chuck lovetts wrote in message <3558DDA9.4BBA@teleport.com>...
>>Hello everybody,
>>
>>Has anybody tried out the new SGC 2020? I'm thinking about buying one
>>and would like opinions, equipment reviews, etc. Any opinions would be
>>greatly appreciated.

>>
>>Chuck
>>N7EUK
>>chuck1@teleport.com
>
>

Date: Fri, 22 May 1998 09:04:29 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-1@Lehigh.EDU
Subject: [11517] Parts to Share
Message-ID: <3.0.1.32.19980522090429.006997c0@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

Sometime back, someone posted a message describing their criteria for giving parts to some deserving individual(s). I have some parts to share and I'd like to use similar criteria. If I could get a pointer to those messages, I'd appreciate it.

The parts are transistors from my junque receptacle. I got them from someplace more than 25 years ago but don't remember. They are NPN and are in round plastic cases marked f(Fairchild) 101-002. They may be similar to something in the 2N3904 category. Once I determine the qualifying criteria, I'll mail out packages of a dozen or so to 5 interested qualifying individuals.

I don't have any way to test them and I'd send a few to someone who would like to do that in the interest of science.

Thanks...

72/73 -- Chuck, W5USJ, EM22cv

Date: Fri, 22 May 1998 16:14:54 -0700
From: Jon Iza <iapizloj@bicc00.bi.ehu.es>
To: qrp-1@Lehigh.EDU
Cc: billcat@ibm.net
Subject: [11518] About good deeds

Message-ID: <356606EE.2C79@bicc00.bi.ehu.es>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Folks,

I'm reading the digest with two or three days delay. After reading on Saturday morning the good news about the Norcal20 kit, and send some messages offering some voluntary work for the success of the operation, I've read some messages about what Norcal has to do. My grain of salt would be to tell people: OK, you feel it must be YOUR way. Great!, Just do it! If someone else wants to make kits for people other than developing countries' hams, please do so. I will support you, as well as many others. But please be constructive!

Else, the idea from Norcal rang a bell about something published by Bill Cox, ZL2BIL, on the QRP News from "Break In", the journal of the NZART (May 1998 issue, page 31). I quote:

"The Tenth IARU Region III Conference held in September 1997 in Beijing has resolved the following recommendations based on the document (97/X/14) submitted by NZART, wich says:

"That Region III Societies help to promote the IARU Objectives for QRP operations, specifically:

- (1) to support QRP operation on June 17 each year;
- (2) to foster QRP activities by their members;
- (3) to encourage regular publication of QRP articles in their national magazines;
- (4) to provide QRP sections in any national contest; and
- (5) to assist other societies with the promotion and development of QRP.

"Accordingly, member-societies are requested to note the above resolution and take appropriate actions with reference to the holding of the following events, for example, in order to contribute to more effective use of radio spectrum:

- (1) QRP Field Day;
- (2) QRP Contest;
- (3) Distribution of QRP Transmitter Kits and Reference books; and
- (4) Workshop of QRP Operation"

(end of quote)

We at QRP-L have the honor and pleasure of having several QRP Field days spread along the year: The Winter activities, the FYBO, FD... (Item ONE) We at QRP-L actively participate in "big time" contests WW, WPX, ARRL, ... with great success, as well on our own "contests": TMPS, FOX... And NOW, We are going to help distributing kits galore all over the world.

??? Ain't QRP wonderful ???

Be well. And have a nice weekend.

jon, ea2sn

Date: Fri, 22 May 1998 10:32:54 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: G-QRP Club E-mail Reflector <gqrp-l@blacksheep.org>, "N.J. QRP Club List Server" <njqrp@njqrp.org>, Dave Johnson KnightLite QRP Club <klqrp@waterw.com>
Subject: [11519] Dayton 1998, QRP ARCI F.D.I.M. Proceedings
Message-ID: <Pine.BSI.3.96.980522100130.16581A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The Dayton 1998 "Four Days In May" (F.D.I.M.) Symposium Proceedings are available by mail from me at \$ 12.00 per copy POSTPAID in the U.S.

DX will be be \$ 9.00 plus Postage. Global Priority Mail will be used where possible. \$ 7.00 postage for Western Europe, Canada, Mexico, and Middle East. \$ 9.00 Postage for South America and Pacific Rim. In the few cases where Global Priority mail is not available, I will ship it First Class Air Mail at no increase in postage.

I also have have the following items available for sale:

1998 QRP ARCI F.D.I.M. Proceedings at \$ 12.00 POSTPAID.

Back issues of the QRP Quarterly Journal-

Pre 1998 issues are \$ 4.00 each or two for \$ 7.00 plus postage.

1995 #2 (APR) #3 (JUL) #4 (OCT)

1996 #1 (JAN) #2 (APR) #3 (JUL) #4 (OCT)

1997 #1 (JAN) #3 (JUL) #4 (OCT)

1998 issues are \$ 5.00 each or two for \$ 9.00 plus postage.

QRP ARCI Mouse Pads (Beige with Blue Oval LOGO) \$ 5.00 each

QRP ARCI LOGO Pins (Blue Oval LOGO) \$ 5.00 each

"72" "Wishing you Good QRP" PINS \$ 1.00 each.

"The JOY of QRP" 2nd Edition, by Ade Weiss, WORSP at \$ 20.00 each.

I can generally fit 6 back issues in the Mailer Envelope.

The FDIM Proceedings is a Book of 130 Pages 1/4" Thick with Yellow Cover.

I can fit four copies in the mailer, which would save \$ 9.00 postage on U.S. orders.

They make nice gifts and Christmas in July is right around the corner. :^)

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Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Fri, 22 May 1998 10:47:20 EDT
From: beache@juno.com (Edward B Beach)
To: qrp-l@Lehigh.EDU
Subject: [11520] CW and SG2020
Message-ID: <19980522.104632.7943.0.beache@juno.com>

I have no intention of buying or even looking at the new SG2020 rig, but for those of you who are considering using one for CW, I pass on these thoughts which have helped me.

I use an IC706 MKI for CW and do +not+ like the relay clacking on the various break-in modes. Oh, you can select timing somewhat, but it's not all that easy to adjust. Instead, I do what I used to do in the "old days" when we had separate rx and tx boxes: I hold the microphone in my left [normally unused] hand and press the PTT button!

The rig is set for full break-in, and I control when to listen with PTT. This drill may not appeal to all CW ops, but it works for me, and +might+ work for the SG2020. If not, it should be a fairly simple matter to gain control of the TR relay somehow and hook up an external PTT switch.

Ted Beach -- K4MKX

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 22 May 1998 10:00:22 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Subject: [11521] relay contacts
Message-ID: <199805221600.KAA06807@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Did anyone ever come up with a source of relay contacts? If so please forward to me. Roy AB7CE

Date: Fri, 22 May 1998 08:13:04 -0700

From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <brian_jones@uk.ibm.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [11522] Re: PIC Microcontrollers
Message-ID: <1b6801bd8594\$213e31a0\$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Excellent suggestion, Brian.

Mike K1MG

Date: Fri, 22 May 1998 11:24:01 -0400
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: beache@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11523] Re: CW and SG2020 AND IC706
Message-ID: <35659891.BF3B7589@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,
I use the '706 as a mobile cw rig 5 to 7 days a week and like it very much especially with the 250 Hz filter when needed. As far as the relay clicking, its not a bother to me because I don't hear it in the car with all the ambient noise. Though I may find it objectionable at the home shack. My home rig is completely electronic qsk and silient!

But that's my 2 cents

Edward B Beach wrote:
>
> ...
> I use an IC706 MKI for CW and do +not+ like the relay clacking on the
> various break-in modes. Oh, you can select timing somewhat, but it's not
> all that easy to adjust. Instead, I do what I used to do in the "old
>...

Date: Fri, 22 May 1998 08:09:40 -0700
From: W7LS <w7ls@blarg.net>
To: marion@montana.com
Cc: qrp-l@Lehigh.EDU
Subject: [11524] Re: relay contacts
Message-ID: <35659534.6156@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

marion@montana.com wrote:

>

> Did anyone ever come up with a source of relay contacts? If so
> please forward to me. Roy AB7CE

Hi, Roy. I was the one offering them. A buck for a set of 4. Just enclose
a buck and a SASE for 4 contacts. Want more? Toss in an extra buck per
set of 4. 73 de Jim, W7LS

Jim Hossack
15221 342nd Ave, NE
Duvall, WA 98019

Date: Fri, 22 May 1998 09:18:35 -0700
From: "Dasher, Mark" <DasherM@IRWIN.ARMY.MIL>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [11525] XM7P
Message-ID: <c=US%a=_%p=ARMY%l=IRWEXCH2-980522161835Z-4513@irwin-exch2.army.mil>

Worked XM7P last night on 20m, Tructh Island Canada - special station for
125 year anniversary of the RCMP. Did not copy the QSL route info
correctly. Anyone have it?
Tnx es 73 KF6LUD, Mark

Date: Fri, 22 May 1998 10:18:10 -0600
From: "Alyn Backe" <ve6bpr@cnnet.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [11526] Half Wave End-Fed Antenna

Message-ID: <16171465105339@cnnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello QRP'ers.

I thought I'd let my results be known regarding my new wire antenna. I just recently built a NW8020 for the 30 meter band. It was one of the clearout specials from Dan's. Not having a resonant antenna for 30 meters, I was getting away with using my 80 meter coax fed Inv Vee with the tuner. This seemed to provide satisfactory results, but now that the QRP rig was "broken in", I wanted to try something better.

Reading through the latest issue of QRPp, I saw the article written by N2CX, on half wave end-fed antennas. Well, I decided to give this antenna a try, as it looked like something I could fit in my small city lot, and would not get in the way of my other wire antennas, due to the direction I would be stringing the antenna.

My ham shack is located about 10 feet away from where I would be feeding the wire "through the wall" to get it out doors. So, I run the wire 10 feet to get outside, then I go straight up about 20 feet, and then horizontal, and tie off with some string to a big old spruce tree. The trees are starting to come in handy at this QTH. I'm also running a quarter wave long counterpoise wire from the back of the rig, ten feet to get it outside, then I Just lay the wire stretched out on the back lawn along the edge of my deck. So the half wave is 46' and the counterpoise in 23'.

My impressions? This antenna really works FB. I've been getting excellent signal reports, and I'm hearing stations now that I can't even detect with the 80 meter Inv Vee. What a sweet little antenna. No feedline needed, no extravagant ground system, and it really performs well.

I highly recommend this antenna to anyone wanting a simple, economical, good performing wire antenna. Thanks to N2CX for writing the article, and thanks to Norcal for publishing it. This issue of QRPp is another real treasure, loaded with excellent information, exactly the type of articles I like to see. QRP operating, Norcal, and this QRP-L list has really brought back my interest in Ham Radio.

Keep it up!
Best 72/73, AL, VE6BPR.....sk
Norcal #2315
QRP-L #1144

ve6bpr@cnnet.com

Date: Fri, 22 May 1998 11:30:51 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [11527] MFJ Artificial Ground
Message-ID: <00080A26.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Gang,

Was kicking around the idea of putting up a random
wire antenna and help things out with one of these.

Anybody have any experience with the MFJ artificial
ground? How well do they work?

TIA. Have a great holiday. Thank you to all who
have/are serving to defend our nation!

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Fri, 22 May 1998 09:39:10 -0700
From: Andreas Junge <andreas@atltech.com>
To: qrp-l@Lehigh.EDU
Subject: [11528] RE: XM7P
Message-ID: <01BD8565.79DE8820.andreas@atltech.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I worked him last night on 40M.

The route was VE7AR as I can recall... Let me check my log, wen I come home
tonight.

72,

Andreas, KF6NEB

On Friday, May 22, 1998 9:19 AM, Dasher, Mark [SMTP:DasherM@IRWIN.ARMY.MIL] wrote:

> Worked XM7P last night on 20m, Tructh Island Canada - special station for
> 125 year anniversary of the RCMP. Did not copy the QSL route info
> correctly. Anyone have it?
> Tnx es 73 KF6LUD, Mark
>
>
>
>

Date: Fri, 22 May 1998 09:39:06 -0700 (PDT)
From: Stephen Lee <slee@u.washington.edu>
To: marion@montana.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11529] Re: relay contacts
Message-ID: <Pine.A41.3.95b.980522092300.282876A-100000@homer35.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Try this company, Roy, and anyone else interested:

Vetco Electronics Phone: (425) 869-7025
13029 Northup Way
Bellevue, WA 98005

I have purchased silver contacts there in years past. Have noticed these still being sold there as recently as February of this year. It's mainly a surplus outlet that tends to stock used computers, test equipment, NOS Carver brand audio components, cables, and connectors. Prices are not bad...think the contacts were 10 for a dollar. Enjoy!

de AB7HI, Stephen Lee

On Fri, 22 May 1998 marion@montana.com wrote:

> Did anyone ever come up with a source of relay contacts? If so
> please forward to me. Roy AB7CE

Date: Fri, 22 May 1998 09:51:07 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11530] Re: 10 m Fox Hunt
Message-ID: <3565ACFB.E4CD8CF6@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thomas Jennings wrote:

>
> Gang,
> I have been activily listening and calling cq on 28.040 but the
> band has been very quiet the last few weeks. Only one contact
> and I lost him because band changed.

Tom and the rest:

I know we're not supposed to make schedules, but my on the air time is very limited and I would like to know how to invest it best. So here is a modest proposal (and Chuck or anyone can shoot me down if it's out of line):

Let's pick several 15-minute periods throughout the day and designate them "10-meter Fox calling periods". Then, while a contact at any time would still count, activity would naturally tend to cluster around these periods. For example, something like 1400, 1600, 1800, and 2000, 2200, 0000 z would be a possibility.

The problem is that we want to catch the flaky propagation, but if we create too many periods we'll dilute the 'concentration' effect that will generate QSO's.

Your thoughts?

Vic, K2VC0

Date: Fri, 22 May 1998 09:50:35 -0700
From: Pierre Constantineau <pierre@cmpe.ubc.ca>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11531] Homebrew radios web page
Message-ID: <3565ACDB.3514F5B7@cmpe.ubc.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi everyone,

In addition to my homebrew test equipment page, there is now a homebrew radio page.

Have a look at:

<http://noname.cmpe.ubc.ca/pierre/testequ.htm>

<http://noname.cmpe.ubc.ca/pierre/hbradios.htm>

They are mainly a collection of links sorted by band.

YES there are a few things for 6M

If you have any addition to the page, just reply to me and i'll add to it.

--

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-----o000--(_)--000o-----
Pierre Constantineau  B.Eng          Email: pierre@cmpe.ubc.ca
M. Applied Sciences Candidate        Phone: (604) 822-2913
Flash Smelting Group                Fax:   (604) 822-4750
Centre For Metallurgical            111-2355 East Mall
Process Engineering                 Vancouver, BC, Canada
U. of British Columbia .ooo0        V6T 1Z4
http://noname.cmpe.ubc.ca ( )       0ooo.  Amateur Radio: VE7JPC
-----\ (---( )-----
        \_)  ) /
          (_/

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Date: Fri, 22 May 1998 13:10:25 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Vic Rosenthal <rakefet@rakefet.com>
Cc: Chuck Adams <adams@sgi.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11532] Re: 10 m Fox Hunt
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 22 May 1998, Vic Rosenthal wrote:

>
> Let's pick several 15-minute periods throughout the day and designate them "10-meter
> Fox calling periods". Then, while a contact at any time would still count, activity
> would naturally tend to cluster around these periods. For example, something like
> 1400, 1600, 1800, and 2000, 2200, 0000 z would be a possibility.
>

I like that idea! Many of the existing contests have misc. notes in their rules like: check 10M on the hour, 15M on the half hour, to maximize participation on those bands when openings do occur. Wonder if Chuck has been taking in any of the various discussions about the rules and how they are being implemented? Have not seen any comment from him since the original posting... Maybe time to review them and consider some slight revisions here and there?

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Fri, 22 May 1998 10:09:03 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [11533] Re: MFJ Artificial Ground
Message-ID: <3565B12F.8EA61B88@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David,

I used an MFJ Artificial Ground for a couple years while operating from a second story apartment. It requires a short length (1/4 wave, perhaps) of wire as a counterpoise. The system worked quite well and kept the r.f. off the rig just like it is supposed to. The purpose of an artificial ground is to provide a return path for r.f. when an earth ground is not possible.

David Kreinberg wrote:

> Anybody have any experience with the MFJ artificial
> ground? How well do they work?
>
>

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Fri, 22 May 1998 10:09:53 -0700 (PDT)
From: Danh Le <dql@slip.net>
To: qrp-l@Lehigh.EDU
Subject: [11534] Difference between 2SC2078 and 2SC2075
Message-ID: <E0ycvKL-0000Je-00@slip-3.slip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi,
While reading the schematics for the output sections on the OHR-100
and the OHR Classic, I noticed that even though both of them use
the 2N3866 as drivers, one of them uses the 2SC2075 (OHR Classic).
The other one uses 2SC2078 (OHR 100).
I am curious if there are any significant differences between these
two transistors?

Tnx es 72 de Dan, ke6d

=====
Danh Le
Amateur Radio Station KE6D QRP-L # 1212 NORCAL # 2414
dle@san-jose.ate.slb.com (work)
dql@slip.net (play)
ke6d@w6yx.ampr.org (packet)
=====

Date: Fri, 22 May 1998 13:30:32 EDT
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [11535] Re: And speaking of Short Waves
Message-ID: <6a59f615.3565b639@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well, Gang ..

The jig is up! The truth, gals and guys, is that all these postings about beaming a signal through all those layers and MUF and coefficients to the nth power and super cloud warning antennas, while entertaining and instructioinal, is just too little, tooooo late!

You see, those that fly in Mother Ships and such are ALREADY on THIS side of all those Ion-charged layers! Yes it's true. I have it from a very reliable source that there are more than just a few of THEM that frequent this list. The same source has it that they are the ones that started this whole flap about how QRP and QRPP is so great and wonderful. The Source has even sighted one of their ships displaying a bumper sticker saying something like "..... Real Hams Don't Kilowatt" That of course is only a paraphase as the ship was traveling at a rather high rate of speed - last seen leaving the air space west of Dayton and heading towards Concord in the "Bay Area". (Could Pacificon be next?)

Our best research has theorized that the reason for promoting QRP and QRPP on earth is that all those mega-watters out there are interfering with their television programing on their native planets. Ergo - if all Hams were QRP'ing then no more TVI!

You know who you are out there. We who arn't, don't, but we can guess. So, keep your eyes and ears open guys and gals. So far they seem to be a benevolent bunch - but they could turn on us at anytime. You know how cranky we all get when solar storms mess with our propagation. It's the same for THEM when we mess up their reruns of M*A*S*H and Sienfeld. I know that the majority of you out there are conscienious individuals so let's keep QRP'ing so we can all get alone.

SO NOW YOU KNOW....!

Date: Fri, 22 May 1998 17:51:58 +0000

From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11536] Fuses and Troubleshooting from the hip.
Message-ID: <3565BB3E.65D1@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Reminds me of my neighbor who borrowed my homebrew 1 Amp powersupply. "Whatever you do, only replace with a 1 AMP FUSE in the 120 Volt holder", I told him. "I've got plenty of fuses, and never wrap tinfoil around that fuse if it blows!!!"

2 Months later the PS came back with a blown/burnt diodes and fuse wrapped in aluminum foil.....

So last night I'm changing the 7.5 KV at 50 mA max diodes that I substituted for the 5R4GY HV rectifier tubes. At 600 Volts out of the center tapped transformer I figured a PIV of 1 KV oughta be enough, and these 1N4007 diodes can do 600 milliamps.

My 120Volt access in my shack is via the 15 Amp circuit feeding the whole house heater. The circuit uses a 15 Amp lamp-socket fuse. Not wanting to blow the special fuse, (I did once but took it apart and fixed the solder joint that failed, the fusible link was still OK.), I put in a powerstrip with 10 AMP fuse.

I blew that fuse 9 times before finally putting the old 7.5 KV diodes back in.

NO: 1000 Volt PIV diodes aren't good enough for the 5R4GY!

Tonight it is 6000 Volt PIV diodes with 100 mA surge and 10 mA continuous current ratings.

And I've got 4 more 10 Amp fuses when I'm done, and 10 each of 4 Amp fuses.

Shotgunning? No, just testing fuses.

Imagine parts that IF you test them, can no longer be used! Let's see: "Wanted, QA tester, Hand Grenades -- No experience necessary. Bring own hammer."

OH, I still haven't found any WWW information on homebrew

tube replacements from 'Common' solid-state parts.
-Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Fri, 22 May 1998 13:55:38 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [11537] Notice of North Georgia QRP Meeting June 6th 1998
Message-ID: <21E06269B00ED111BE9B00805F6D0FA32679BE@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

The North Georgia QRP Group will be holding the next quarterly meeting on June 6th, 1998 from 11AM to 2PM at TechAmerica store 5600 Buford Hwy, Doraville, GA 770-936-7080 (MetroAtlanta). Visitors are welcome to this very informal gathering. For more information about the NOGA QRP Group check out the NOGA WEB page at <http://www.america.net/~w4qo/nogagrps.html>

Sam AE4GX

Date: Fri, 22 May 1998 13:56:33 -0400
From: Frank Alwine <n1gpy@together.net>
To: qrp-l@Lehigh.EDU
Subject: [11538] Re: 10 m Fox Hunt
Message-ID: <3565BC51.C55@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Vic Rosenthal wrote:

> Let's pick several 15-minute periods throughout the day and designate them "10-meter
> Fox calling periods". Then, while a contact at any time would still count, activity
> would naturally tend to cluster around these periods. For example, something like

> 1400, 1600, 1800, and 2000, 2200, 0000 z would be a possibility.
>
> The problem is that we want to catch the flaky propagation, but if we create too many
> periods we'll dilute the 'concentration' effect that will generate QSO's.
>
> Your thoughts?
>
> Vic, K2VCO

Vic, I really like this idea! I have limited time to spend in the shack,
& so far I've only caught 1 fox. This would give me definite time periods
I could set aside to be at the radio, with some hope of catching a fox.

72/73 de Frank KT1VT

Date: Fri, 22 May 1998 14:04:39 -0400
From: Ed Tanton <n4xy@att.net>
To: beache@juno.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [11539] Re: CW and SG2020
Message-ID: <3.0.5.32.19980522140439.00c8dc20@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Good point Ted... you can also adapt a foot switch for such a use very easily-and have very good control. Also, I suspect there will be SOMEWHERE within the '2020 that the "hang" can be altered-it might even take a software upgrade-but I'll bet there's a hardware spot somewhere that can be altered-at the expense of "full" breakin.

///snip

>days" when we had separate rx and tx boxes: I hold the microphone in my
>left [normally unused] hand and press the PTT button!
>
>The rig is set for full break-in, and I control when to listen with PTT.
>This drill may not appeal to all CW ops, but it works for me, and +might+
>work for the SG2020. If not, it should be a fairly simple matter to gain
>control of the TR relay somehow and hook up an external PTT switch.
>
>Ted Beach -- K4MKX

Subject: [11541] Artificial Ground
Message-ID: <3565BEDF.3E669063@cmpe.ubc.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

How does one actually build an artificial ground.

Is it very similar to a tuner or a completely different beast?

Thanks

--

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             ( o o )
-----o000--( _ )--000o-----
Pierre Constantineau  B.Eng      Email: pierre@cmpe.ubc.ca
M. Applied Sciences Candidate    Phone: (604) 822-2913
Flash Smelting Group            Fax:   (604) 822-4750
Centre For Metallurgical        111-2355 East Mall
Process Engineering             Vancouver, BC, Canada
U. of British Columbia .ooo0    V6T 1Z4
http://noname.cmpe.ubc.ca ( _ )  0ooo.  Amateur Radio: VE7JPC
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Date: Fri, 22 May 98 08:06:12 HST
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
To: qrp-l@Lehigh.EDU
Subject: [11542] QRP DC Power demands
Message-ID: <9805221806.AA08659@krypton.nmr.Hawaii.Edu>

My TenTec Argo takes:

CW 3.1 watts out = 2.1 amps DC at 13.8 volts
RCV only = 500 ma.

Alinco DX70t set to 5 watts:

CW 5 watts out = 6.5!!! amps DC at 13.8 volts

RCV only = 620 ma.

The real shocker comes when you try to power most of the commercial rigs set to QRP levels with battery power. Of course there are lots of bells and whistles on these things, but you really pay for it in current drain on a rig they expect to run 50-100 watts on transmit.

I understand that the TenTec Scout set down to QRP levels also suffers from extra power drain vs the Argo model at the same transmit power level.

Date: Fri, 22 May 1998 14:11:13 -0400 (EDT)
From: "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>
To: qrp-l@Lehigh.EDU
Subject: [11543] Ether, You know something or you don't
Message-ID: <Pine.SUN.3.91.980522134709.11287D-1000000@strong.Hydro.ON.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Actually, I think everyones got at least one story.

Please send me your stories, anecdotes, rumours, myths, jokes.

I'm finally going to embark on a project I've wanted to do for a long time.

I want to gather/ collect all the Ham Radio stories I can.
Organize them. Even validate some rumours...

I will hope to publish, but whether I do or not I will give a free copy to all who contribute, as well as acknowledge their contribution.

I know you have the goods.

Contribute to the repository of the great saga of Amateur Radio.

This could be fun for all.

Anything related ot radio will be greatly appreciated.

Maybe you know someone who has a story. Please let me know and I'll chase them down.

Please just give me a sketch of what you know.

Don't worry about the form, how pretty it looks, spelling.
Just get it out of your head for all of us to enjoy.
If you wish anonymity, that's fine too.

Contest, Spark, FD, Weather, MM, War, Spy, VLF, Long delay sigs,
rescues, Convention shenaigans, sad tales, shocks, Tower work,
April fools, celebs. (King of Tunisia)..

and last but not least QRP

If you heard of a tall tale. Let me know.
You may not believe it, (and you may be right), but I may be able to
validate it by other info received, perhaps from the original source.

This could be a lot of fun for all.

Peter Wotherspoon
36 Cresser Ave
Whitby
Ontario
Canada
L1P 1K3

Or via the net!

Thanks in advance.
P.S.

If you dare to let me know you have a story, but don't have the time to
get it out just now, please do.

Date: Fri, 22 May 1998 14:25:04 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: G-QRP Club E-mail Reflector <gqrp-l@blacksheep.org>, Dave Johnson KnightLite
QRP Club <klqrp@waterw.com>, "N.J. QRP Club List Server" <njqrp@njqrp.org>
Subject: [11544] FDIM Table of Contents and Comments (LONG)
Message-ID: <Pine.BSI.3.96.980522140640.26532B-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The 1998 "Four Days In May" [FDIM] QRP Symposium Proceedings Table of Contents

The Event took place on May 14,1998 at Days Inn Dayton South in Dayton, OHIO

It was Sponsored by QRP Amateur Radio Club International, Inc. [QRP ARCI]

Over 200 of the of Ham radio's finest QRPers were in attendance.

There was one additional talk on Coherent CW - The More You Know About a Signal, the Easier it is to Copy. By Peter Eaton, WB9FLW. Unfortunately, a paper was not received in time for publication. I am told that information about CCW is available on several web sites and that we can expect an Article on CCW from George Heron, N2APB in the QRP Quarterly Journal later this year.

TABLE of CONTENTS:

1. A Dozen Ways to See and Love Your Feedlines, by L.B. Cebik, W4RNL

A dozen way of looking at transmission lines: Tape measure, Protractor, Lost-Power Meter, X-Ray Machine, Ruler and LCR meter, Thermometer, Field Detector, SWR meter, Smith Chart, Calculator and a graph, pruning shears, and Trigonometer.

In the end, we shall learn to love our feedlines.

2. Alternatives to the Printed Circuit Board, by Dick Pascoe, G0BPS

A PCB is not a prerequisite of a finished product. There are many ways to build circuits. Dead Bug, The "Blob Board", Bread Boards, Tag Boards, Pad Boards, Hammer and Nail Boards and many others.

3. THE G3RJV Six-Pack, by George Dobbs, G3RJV

Six simple "One Nighter" circuits and printed circuit boards are presented: A plug and Play Transmitter, The Quick Receiver, An Instant SWR Meter, A Diode Probe, An LED Voltage Monitor, and A Crystal Checker.

4. Modern Components for Homebrew Design and Construction, (or "Oh, No! - Not Another NE602/LM386 Project!") by Gary Breed, K9AY

Some alternates to the old standby components typically used in QRP Projects. Some offer improved performance, some have unique functions, while others just add variety!

5. The Rainbow Analyzer - A Low-Cost, Automated and Graphical Way to Determine Antenna Performance, by George Heron, N2APB and Joe Everhart, N2CX.

A PIC-Controlled VFO is coupled to an SWR bridge and automatically sweeps a micropower signal while collecting SWR readings of the connected antenna. The frequencies of lowest SWR are colorfully displayed on the handheld unit's LEDs, and graphically on a PC through an optional serial connection and a Visual Basic Program. [Soon to be a NJ-QRP Club Kit Offering]

6. Coherent CW Discussion - NOT INCLUDED IN PRINTED COPY.

7. Stalking the "Ideal" QRP Tins, by Rex Harper, W1REX

The author's personal history with QRP tins is presented, including a technical brief on the physics of shielding and a little insight on the author's experiences locating tins for housing QRP projects.

Appendix A - About the Authors

Appendix B - QRP Club Listings

Appendix C - QRP ARCI Overview

Appendix D - NorCal QRP Club Overview

Appendix E - G-QRP Club Overview

Appendix F - QRP-L Internet Discussion Group Overview

There were also handouts available for All of the above mentioned QRP Clubs, The CCW Talk by Peter Eaton, as well as Free Sample Copies of The QRP ARCI Quarterly Journal. The G-QRP Club and Kanga Kits Provided The G3RJV Six-Pack PCBs to all attendees.

Several QRP Vendors donated door prizes which were presented during the program break periods.

There were two SMite Kits (Improved Pixie II SMD Version) donated by The KnightLites QRP Club. One to the Oldest Ham License attending and One to the Youngest.

I understand that John Pituch (12), W2MBY, also won an EMTech Transceiver Kit. What a way to start his Dayton QRP Adventure!

Needless to say, If you missed the events, you really should think about it for next year. FDIIM has become a collousal and COOL! event.

I have a limited number of copies of the Proceedings Available by mail. They are \$ 12.00 U.S. Postpaid. \$ 16.00 Postpaid to Europe, Canada, Mexico and Middle East. \$ 18.00 Postpaid to South America and Pacific Rim.

Please be sure to include your Mailing information with your email orders.

Make Check or Money Orders out to "George D. Gingell" and mail them to me

at 3052 Fairland Road, Silver Spring, Maryland 20904-7117 USA

The Circuit Boards and Kits of Parts were available for sale from KANGA Kits after the Event. They may still have some available for sale. Try contacting Dick Pascoe, G0BPS of KANGA or Bill Kelsey, N8ET of Kanga U.S.

They were \$ 10.00 for the PCBs and \$ 20.00 for the parts kits at Dayton. Hopefully they will have some left to sell via mail. Postage added of course, but still a very good value. They are highly recommended for small clubs and Students just starting in Ham Radio and/or QRP.

I know this was long, but several have asked for copies of the agenda and comments.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Fri, 22 May 1998 11:32:22 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Mike W. Burger" <mike@krypton.nmr.Hawaii.Edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "Frederick H. Raab" <FHRAab@aol.com>
Subject: [11545] Re: QRP DC Power demands
Message-ID: <Pine.BSI.3.96.980522112909.25879B-1000000@usr02.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 22 May 1998, Mike W. Burger wrote:

>
> My TenTec Argo takes:
>
> CW 3.1 watts out = 2.1 amps DC at 13.8 volts
> RCV only = 500 ma.

```

>
> Alinco DX70t set to 5 watts:
>
> CW 5 watts out = 6.5!!! amps DC at 13.8 volts
> RCV only = 620 ma.
>

```

Obviously, it's time that we started looking at more power-efficient design techniques, such as class-F power amplifiers and feedback mixers, to improve battery life.

Industry is not going to address the needs of the QRP community as the market is extremely limited. We need to develop our own resources and burn some fingertips in the process.

```

      ,-----,
     /  What's all this  \
    / extinct stuff, anyhow? \
   /-----,-----\
  _||/
oo\
(--) \
     \  .  .  .  .  .
      \  '  '  '  '  '
       \  "
        \  ( ) \
         \  '-| )__| :. \
          \  | | | | | \
           \  | | | | | \
            \  c__; c__; '---'>.__

```

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

```

-----

Date: Fri, 22 May 1998 14:55:40 -0400 (EDT)
From: hsilver@pyx.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [11546] Re: Ether, You know something or you don't
Message-ID: <Pine.LNX.3.95.980522143936.11741D-100000@matrix.pyx.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

```


> Actually, I think everyones got at least one story.
> Please send me your stories, anecdotes, rumours, myths, jokes.
>
> I'm finally going to embark on a project I've wanted to do for a long time.
>
> I want to gather/ collect all the Ham Radio stories I can.
> Organize them. Even validate some rumours...
>
> I will hope to publish, but whether I do or not I will give a free copy
> to all who contribute, as well as acknowledge their contribution.

Huh ? Ah! Ether ... as in vapour. I see.

I have some machining tools in my garage and I would like someone to come and design and manufacture a widget for free. I plan to sell it but I'll give that person one and be sure to tell those I sell it to about the swell job and all the hard work you did in designing and making it.

A free one or one where it benefits the group and individuals that did the work, I could understand. One where others do the work and I profit from it ? Hrmmm... I'm not sure I understand.

Harley Silver

Man is not inert clay waiting to be molded
into something useful by the State.

Date: Fri, 22 May 1998 14:42:27 EDT
From: ARDUJENSKI <ARDUJENSKI@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [11547] GONE FISHING
Message-ID: <22059f4c.3565c714@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Folks,

Had a most delightful QSO this AM with a JH1 who bent my S-meter needle with his signal (300W). He designs and builds YAGI and vertical antennas using fishing poles for construction. He has a 20 3-element YAGI, 40M 2-element YAGI and several verticals for down to 80M (he has worked DXCC 80 with it).

He noted that they have access to fishing poles up to 27 ft which are made in Korea. Average price of poles is about \$10.

We discussed the SLV for a bit. Hopefully he will be sending me some details on his vertical designs soon which I will share with you folks.

Have a super weekend....Alan KB7MBI

(Working on my *homebrew* antenna from some beer cans...now that would be a real contest, huh?)

Date: Fri, 22 May 1998 11:47:39 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@Lehigh.EDU>
Subject: [11548] Pacificon QRP Forum Speakers Announced
Message-ID: <01bd85b2\$1909fdc0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Third annual QRP Forum held in conjunction with the Pacific Division Convention of the ARRL will be held this year on Saturday, Oct. 17 at the Sheraton Hotel in Concord, CA. We will have 8 sessions, there will not be a charge for any of the sessions other than the registration fee charged by Pacificon (\$3 in advance last year). Here is the schedule:

8:00 Bill Jones KD7S How to build cheap and easy cases for your QRP equipment.
9:00 Joe Gervais, AB7TT Operating QRP contests from the Field and maximizing Fun!!
10:00 Paul Harden, NA5N Solar Phenomena and how to interpret Solar Reports.
11:00 Dave Fifield, AD6AY The NorCal 20, How it was designed and why.
12:00 On your own lunch
1:00 Ade Weiss, W0SRP, Propagation Predictions, and how to interpret them.
2:00 George Dobbs, G3RJV, The G3RJV Sixpack
3:00 Roy Lewallyn, Field Day Operating
4:00 Roy Lewallyn, Antennas for Field Day

We will have a no host dinner Friday night as we will all meet in the lobby at 6:00 and figure out where to go for dinner together dutch treat. Nothing fancy, just fun.

Saturday night there will be a QRP Hospitality Open House that will feature the Unlimited Building Contest, The 2N2222 Building Contest (Slight rule changes from Dayton and Dayton entries are not eligible), and the NorCal

K8FF Paddle building contest. Plus, Chuck Adams, K5FO will run a CW copying contest that will start at 20 WPM and work its way up until we have a champion.

NorCal is proud to sponsor the speakers, and this is the way that we use excess funds generated by projects and QRPP. We pay airfare and hotel accomadations so that we may attract world class speakers to the West Coast.

We are very proud of the lineup that we have and hope that you can join us for the fun. 72, Doug, KI6DS

Date: Fri, 22 May 1998 11:53:21 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [11549] Re: And speaking of Short Waves
Message-ID: <199805221853.LAA08775@usr06.primenet.com>

Howdy,

Jay (WA5WHN) wrote:

>
> What if the Mother ship drops below the F layer boundary? Then the
> reflection of the incidence wave will be back towards the earth & not out
> into space.

This is all fine and dandy, but in the monumental event of First Contact with extraterrestrials, we need to ponder what REALLY matters here, folks...

Do they QSL and does it count toward DXCC?!? :-)

Hey... You know how after a major contest we all hear CW coming from the 'fridge, the AC, the car, the fan? Maybe they're trying to contact us but don't have the whole antenna-and-radio concept figured out very well. *8-)

"Capt. Zzzphftrrl, the fan does not seem to be effective. Shall I attempt to load up the cat?"

(OK, OK, so I'm a little punchy today... :))

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And that, my Liege, is how we know the Earth
to be banana-shaped." -- Monty Python and the Holy Grail

Date: Fri, 22 May 1998 15:24:10 -0400
From: Greg Buhyooff <buhyooff@vt.edu>
To: qrp-l@Lehigh.EDU
Subject: [11550] FS:Icom 725
Message-ID: <3.0.5.32.19980522152410.007a4920@mail.vt.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello folks,

I have a gorgeous IC 725 for sale. I bought two of them --- long story. But the bottom line is that I had two of these quite a few years ago and felt that it was a great bang for the buck radios around. After having owned over 25 different transcievers, I still feel the same way. The 725 had a really good receiver in it for the money you spend for the radio. I recently bought two of them and am now selling one . This radio comes with hand mic, power cord, manual and an optional 500HZ CW filter (which retails for \$100). I just put the filter in. In addition, I installed the optional carrying handle -- I got the last one HRO had in stock -- it is a discontinued item. This radio is super nice as a portable radio, backup radio, or starter radio. The radio is in perfect electronic order and has only one small ding on the back right corner and is otherwise in excellent condition, cosmetically speaking.

I am asking \$500 which includes shipping via UPS.

I will include a \$100 Pelican brand (you know the kind that is waterproof) carrying case for it. I have already custom cut the foam insert for the radio. This is a superb carrying case if you are not familiar with them. That is in part because I do not have the original box and this protects the radio very well and you have a nice carrying case. You are ready to head off portable with a great little HF rig.

You can call me at home --before 9PM please -- or at the office 231-5148 or e-mail me.

73, Greg K2UM

Gregory J. Buhyoff
Julian N. Cheatham Professor

304 Cheatham Hall
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24060

Phone: 540-231-5148
Fax: 540-231-3698

Date: Fri, 22 May 1998 15:37:49 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [11551] Re:LQQKING
Message-ID: <92711059.3565d40e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang,
I'm still looking for a mobile mount for the 747GX
Thank you
Bob
WA2HOQ

Date: Fri, 22 May 1998 15:43:12 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [11552] RE: Notice of North Georgia QRP Meeting June 6th 1998 *Correction
to URL*
Message-ID: <21E06269B00ED111BE9B00805F6D0FA32679F3@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

North Georgia QRP Group WEB page reference should be

<http://www.america.net/~w4qo/nogaqrp.html>

Sam AE4GX

Date: Fri, 22 May 1998 15:42:56 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [11553] Roy??? or Ray?? Johnston QTH ??????
Message-ID: <8e82d53c.3565d542@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The information I sent to the above came back via snail mail
Please reply with proper address.
I did the best I could with your hand writing but not good enough.
Bob
WA2HOQ

Date: Fri, 22 May 1998 15:58:46 -0400
From: Tom Cooper <cooper@gmpvt.com>
To: qrp-1@Lehigh.EDU
Subject: [11554] Re: CW and SG2020
Message-ID: <3.0.5.32.19980522155846.007ddc50@web.gmpvt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I wonder if any of the new SG2020 owners have tried adjusting
their RF gain on CW? I've found that there is no sense in having
the RF gain up all the way on any radio unless the band is dead
quiet. When there is no increase in background noise as you advance
the RF gain, you are at full useable sensitivity.

Tom W1EAT

Date: Fri, 22 May 1998 14:00:40 -0700

From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [11555] Updated Ft Tuthill Symposium Schedule
Message-ID: <199805222005.NAA04831@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here is the latest schedule for the Ft Tuthill QRP Symposium:

Ft. Tuthill '98 - Tentative Speaker Schedule

Time	Speaker	Subject
9:00-10:00	Doug Hendricks & Jim Cates	Clubs/ Pubs/ Etc.
10:00-11:30	Jim Duffey	QRP Antennas
11:30-1:00	LUNCH BREAK	
1:00-2:00	Gary Hembree	QRP Contesting
2:00-3:00	Chuck Adams	SPICE and NEC2 for Radio Amateurs
3:00-4:00	Dave Finley	Morse Code: Breaking the Barrier
4:00-5:30	Paul Harden	Solar Propagation

72,73

Bob Hightower KI7MN

Date: Fri, 22 May 1998 16:09:26 -0400
From: Greg Buhyoff <buhyoff@vt.edu>
To: qrp-1@Lehigh.EDU
Subject: [11556] IC 725 Phone numbers!!
Message-ID: <3.0.5.32.19980522160926.0079d780@mail.vt.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am sorry, but I edited the message and messed up the sentences concerning my phone numbers!

This is for the IC 725 which is for sale.

I can be reached at home before 9PM Eastern Time at 540-951-4097

This is your best bet over the long holiday weekend.

Next week, starting on Tuesday, I will be the office during the day --
540-231-5148.

Thank you and I apologize for my error.

73, Greg K2UM

Gregory J. Buhyoff
Julian N. Cheatham Professor

304 Cheatham Hall
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24060

Phone: 540-231-5148
Fax: 540-231-3698

Date: Fri, 22 May 1998 13:30:36 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-l@Lehigh.EDU
Subject: [11557] 10M Fox
Message-ID: <199805222030.NAA17820@smtp02.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Don't forget the 15 worldwide Beacons on 28.200Mhz to check band openings.
Right now(0800Z) I'm copying: LU4AA level 3 (using 3 el beam at 50
degrees az.)

0A4B	3	(using 40M vert drop one level)
YV5B	3	("
4U1UN	2	("
W6WX	2	("

>From this it appears N-S prop is long and fairly good. Stateside sigs weak but
possible at Fox levels.

I'm using Beacon Clock on my computer and can see which beacon is xmtg...but
without

it, just tune to 28.2 and listen for the station ID's on cw.

72/73 Floyd NQ7X M/NQ7X Phoenix ScQRPion DM33uq QRP-L 343

ARRL AMSAT ARCI G-QRP 8952 NORCAL DX WRKD HF=324 SAT=101 QRP=130

Date: Fri, 22 May 1998 17:48:00 -0400
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [11558] Electronic devices book
Message-ID: <m0ycyjY-000ZoiC@mgate.arrl.org>

I have a couple of questions regarding a post of a number of months ago (no, I didn't lose the copy, I just didn't save the poster's name or email) about an electronic devices book by Thomas Floyd. I just recently came across my saved copy of the message text and have decided to order the book (if it is still available).

The first question I have is - has anyone on the list bought the book since the message was posted?

The second question is, is the price really \$4+\$3 shipping? This seems impossible for a 834 page book.

73, Michael Tracy, KC1SX

Date: Fri, 22 May 1998 15:51:07 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Cc: davemetz@muscanet.com
Subject: [11559] MiniCircuit Mixers - Avoid a Pitfall
Message-ID: <3.0.32.19980522155106.006e8f4c@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

Wanted to let a mistake i made out in the open so others might avoid making the same one. I was building a (supposedly) simple RF mixer box based (solely) on a Mini-Circuits Lab (<http://www.minicircuits.com>) SBL-1 mixer. I found which pin numbers were which input/output, and which pin numbers had to be grounded. Unfortunately, I assumed that the pin numbering system of the package was similar to the one used in Dual In-Line Packages. WRONG! After soldering the device to a hand-drawn PC Board, including

grounding the necessary pins to the large ground plane, it didn't work (of course!)

Anyway the numbering system is like this, with the blue dot being number 1 (thanks to Dave Metz, WA0AUQ):

>No, they have a staggered pattern (fooled me too!).

```
>
>          1   3   5   7
>                                Bottom view
>          2   4   6   8
>
```

I guess it is one of those mistakes everybody needs to make once, but only once. 8-(. As an old professor of mine used to say - ' you didn't have an experiment, you had an experience. ' May your experiences be less of a pain.

--adam, n2brt

```
=====
Adam B. Kanis, N2BRT
adam-kanis@uiowa.edu      QTH: Wellman, IA (Near Iowa City) EN41ck
--- Straight Key : OHR-100 40m : Carolina Beam oriented N/S ---
---- ARRL : QRP-ARCI : GQRP : QRP-L : NorCal : IaQRP : SEITS --
** On the web at http://genome33.ped-gen.uiowa.edu/hamradio **
=====
```

Date: Fri, 22 May 1998 14:15:14 -0700
From: Andreas Junge <andreas@atltech.com>
To: qrp-l@Lehigh.EDU
Subject: [11560] RE: 10M Fox
Message-ID: <01BD858C.0AD44100.andreas@atltech.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

More on the beacons and the schedule can be found here :

<http://www.ncdxf.org/beacon.htm>

72,

Andreas, KF6NEB

On Friday, May 22, 1998 1:31 PM, Floyd Smithberg [SMTP:flydnq7x@primenet.com] wrote:

> Don't forget the 15 worldwide Beacons on 28.200Mhz to check band openings.
> Right now(0800Z) I'm copying: LU4AA level 3 (using 3 el beam at 50
> degrees az.)
>
 0A4B 3 (using 40M vert drop one level)
> YV5B 3 (" "
> 4U1UN 2 (" "
> W6WX 2 (" "
> >From this it appears N-S prop is long and fairly good. Stateside sigs weak but
> possible at Fox levels.
> I'm using Beacon Clock on my computer and can see which beacon is xmtg...but
> without
> it, just tune to 28.2 and listen for the station ID's on cw.
> 72/73 Floyd NQ7X M/NQ7X Phoenix ScQRPion DM33uq QRP-L 343
> ARRL AMSAT ARCI G-QRP 8952 NORCAL DX WRKD HF=324 SAT=101 QRP=130
>

Date: Fri, 22 May 1998 14:17:48 -0700 (PDT)
From: camqrp@cyberg8t.com (Cam Hartford)
To: <SSLYON@worldnet.att.net>
Cc: qrp-l@Lehigh.EDU
Subject: [11561] QRP FD Fun
Message-ID: <199805222117.0AA12376@key.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Seab AA1MY wrote -

"It'll be quite a shock NOT having to put up with
the generator, gasoline, extention cords, noise... "

The first thing you'll notice when you take off the headphones and leave the
operating tent is that you can hear the birds. And no, they won't really be
sending CW.

Enjoy the peace!

72/73,

Cam N6GA

Date: Fri, 22 May 1998 17:44:25 -0400
From: Bob Edwards <w4ed@flash.net>
To: SBillingsley@usaninc.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11562] Re: Value of the QRP-L List
Message-ID: <3565F1B9.85F9A40C@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sam Billingsley wrote:

>.....<big snip>....

Agree. QRP-L has done wonders for me too Sam.
Thanks to Chuck/K5FO (and helpers) for such a good job here.

> As for the SSB segments,
> it will be a long time before I venture back....

But don't be too quick to abandon the WARC bands.
17 mtr SSB is a lot like the SSB I remembered from
the good'ol'days (60s).

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

```
      /|
     / |
    /  | \
   /| / E | \
  /_|/_|_|_|_|_| \
 [ \-----/ ]
```

Date: Fri, 22 May 1998 18:09:35 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [11563] Elmer 101: Part 5, no questions???
Message-ID: <3565F79F.337E@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow, no questions yet on the last section... Did I lose everyone or was

it too easy?

Look for part six mid next week. For those of us who get a long weekend,
ENJOY!

BTW, just made my first contact with the ressurected Heathkit HW-8.
Thanks Scott, W3CV for the copy of the book! Worked Glenn, K4DTT in
S.C. Got a 579 to his 599. Is this qrp stuff great or what???

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Fri, 22 May 1998 18:13:38 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [11564] Why 455kHz?
Message-ID: <3565F892.3414@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've been planning and gathering parts to build a home brew all tube
receiver. The IF will be 455kHz.

Why are all these older rigs 455kHz? Why not 500kHz or 445kHz. Is there
some significance here or did it have to do with parts availability?

Thanks! Inquiring minds want to know.

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Fri, 22 May 1998 22:37:47 -0400
From: Bill Meara <wmeara@erols.com>
To: mikemo@ibm.net
Cc: qrp-1@Lehigh.EDU

Subject: [11565] Re: Why 455kHz?
Message-ID: <199805222239.SAA19334@smtp1.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:13 PM 5/22/98 -0400, you wrote:

>I've been planning and gathering parts to build a home brew all tube
>receiver. The IF will be 455kHz.

>

>Why are all these older rigs 455kHz? Why not 500kHz or 445kHz. Is there
>some significance here or did it have to do with parts availability?

>

>Thanks! Inquiring minds want to know.

>--

>72 de ku4qo

>Mike Maiorana

>Palm Harbor, FL

>

----->
good question mike. here is part of the answer:

Date: Wed, 20 Aug 1997 8:04:27 -0700 (PDT)

Reply-To: GIBSON@ASTRA.LBL.GOV

Subject: Choice of 455kcs IF

There is a very good reason for the last digit of the IF frequency being a 5. US AM band transmitters are spaced every 10kcs so if two strong local stations say 1490 and 1040kcs get on the mixer grid they produce a beat of 450kcs. Likewise 1490 and 1030kcs produce 460kcs. Always a beat of multiples of 10kcs i.e. . . . 440,450,460,470. . . .

This way the simple "All American Five" radio avoids birdies with its IF of 455kcs.

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End of QRP-L Digest 1099

